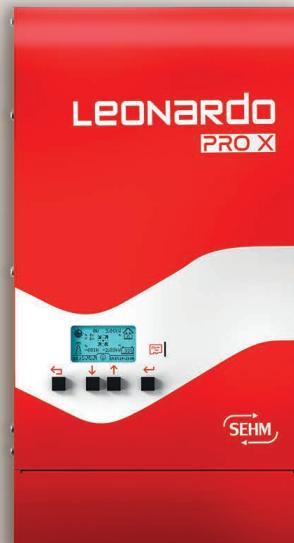


LEONARDO

PRO X



**ONE PRODUCT
FOR ALL SOLUTIONS**

ON-GRID RETROFIT
ON-GRID NEW PLANTS
OFF-GRID



Leonardo PRO X

3000/5000/8000

Caratteristiche prodotto



230V AC 50 Hz
Storage System



3000VA/5000VA/8000VA
Output Power



95% Inverter
Efficiency



Integrated LCD Display

[eng]

Product features



App and Web Platform for
Monitoring and Control



Ethernet Connection



Battery Voltage 48 VDC



Expandable for power
extension and three-phase
systems

[fra]

Caractéristiques du produit



Compatible with Major
Battery Manufacturers:

CEI 0-21

Pylontech

(both On-Grid and Off-Grid configurations)

CEI 0-21

Horiен

(only On-Grid configurations)

Soluna

(both On-Grid and Off-Grid configurations)

Sunwoda Atrix

(both On-Grid and Off-Grid configurations)



A MODULAR SYSTEM

[eng]

*Aumenta la potenza
quando vuoi*

[fra]

*Increase the power
whenever you want*

*Augmentez la puissance
quand vous le souhaitez*

Leonardo PRO X 3000

On-Grid and Off-Grid



UP TO 18kW

(1 Master + 5 Slave)

Espandibile fino a 6 moduli per una potenza totale di 18kW

[eng]

Expandable up to 6 modules for a total power of 18kW

[fra]

Extensible jusqu'à 6 modules pour une puissance totale de 18kW

Leonardo PRO X 5000

On-Grid and Off-Grid



UP TO 30kW

(1 Master + 5 Slave)

Espandibile fino a 6 moduli per una potenza totale di 30kW

[eng]

Expandable up to 6 modules for a total power of 30kW

[fra]

Extensible jusqu'à 6 modules pour une puissance totale de 30kW

Leonardo PRO X 8000

Only Off-Grid



UP TO 48kW

(1 Master + 5 Slave)

Espandibile fino a 6 moduli per una potenza totale di 48kW

[eng]

Expandable up to 6 modules for a total power of 48kW

[fra]

Extensible jusqu'à 6 modules pour une puissance totale de 48kW

AC Configuration

Descrizione

Il **Leonardo PRO X** è la soluzione ideale per aggiungere un sistema di accumulo su impianti fotovoltaici già dotati di inverter di stringa AC On-Grid (Configurazione AC lato post-produzione) senza alterare la quantità di energia prodotta ed incentivata dall'impianto esistente. In caso di blackout della rete elettrica, il Leonardo PRO X alimenta le utenze collegate all'uscita EPS, con la potenza di targa dell'inverter senza limitazioni, con un tempo di ripristino inferiore ai 10 ms. È possibile abbinare al Leonardo PRO X la versione Slave, per espandere la potenza disponibile e/o per gestire impianti trifase. Disponibile in 2 versioni: 3000VA e 5000VA. I sistemi sono compatibili con i principali brand di batterie di accumulo al litio.

[eng] Description

Leonardo PRO X is the ideal solution for adding a storage system to an existing photovoltaic systems already equipped with On-Grid AC string inverters (AC configuration on the post-production side) without changing the amount of energy produced and stimulated by the existing system. In case of blackout of the grid, Leonardo PRO X feeds the loads connected to the EPS output, based on inverter power without limitations, with a recovery time of less than 10 ms. It is possible to combine a Slave version with Leonardo PRO X, to expand the available power and / or to manage three-phase systems. Available in 2 versions: 3000VA and 5000VA. These systems are compatible with the main brands of lithium storage batteries.

[fra] Description

Leonardo PRO X est la solution idéale pour ajouter un système de stockage à un système photovoltaïque existant déjà équipé d'onduleurs string AC On-Grid (configuration AC côté post-production) sans changer la quantité d'énergie produite et stimulée par le système existant. En cas de panne du réseau, Leonardo PRO X alimente les charges connectées à la sortie EPS, sur la base de la puissance de l'onduleur sans limitation, avec un temps de récupération inférieur à 10 ms. Il est possible de combiner une version Slave avec Leonardo PRO X, pour augmenter la puissance disponible et / ou pour gérer des systèmes triphasés. Disponible en 2 versions: 3000VA et 5000VA. Ces systèmes sont compatibles avec les principales marques de batteries de stockage au lithium.

Caratteristiche prodotto



EPS anti-blackout function (for privileged loads) with recovery time <10ms



PEAK SHAVING function to increase the power available in the home system

[eng] Product features



AC overload and short circuit protection



Monitoring and parameter setting directly from the display (or remote console App My Leonardo)

[fra] Caractéristiques du produit



Booster function for increase grid power disponibility

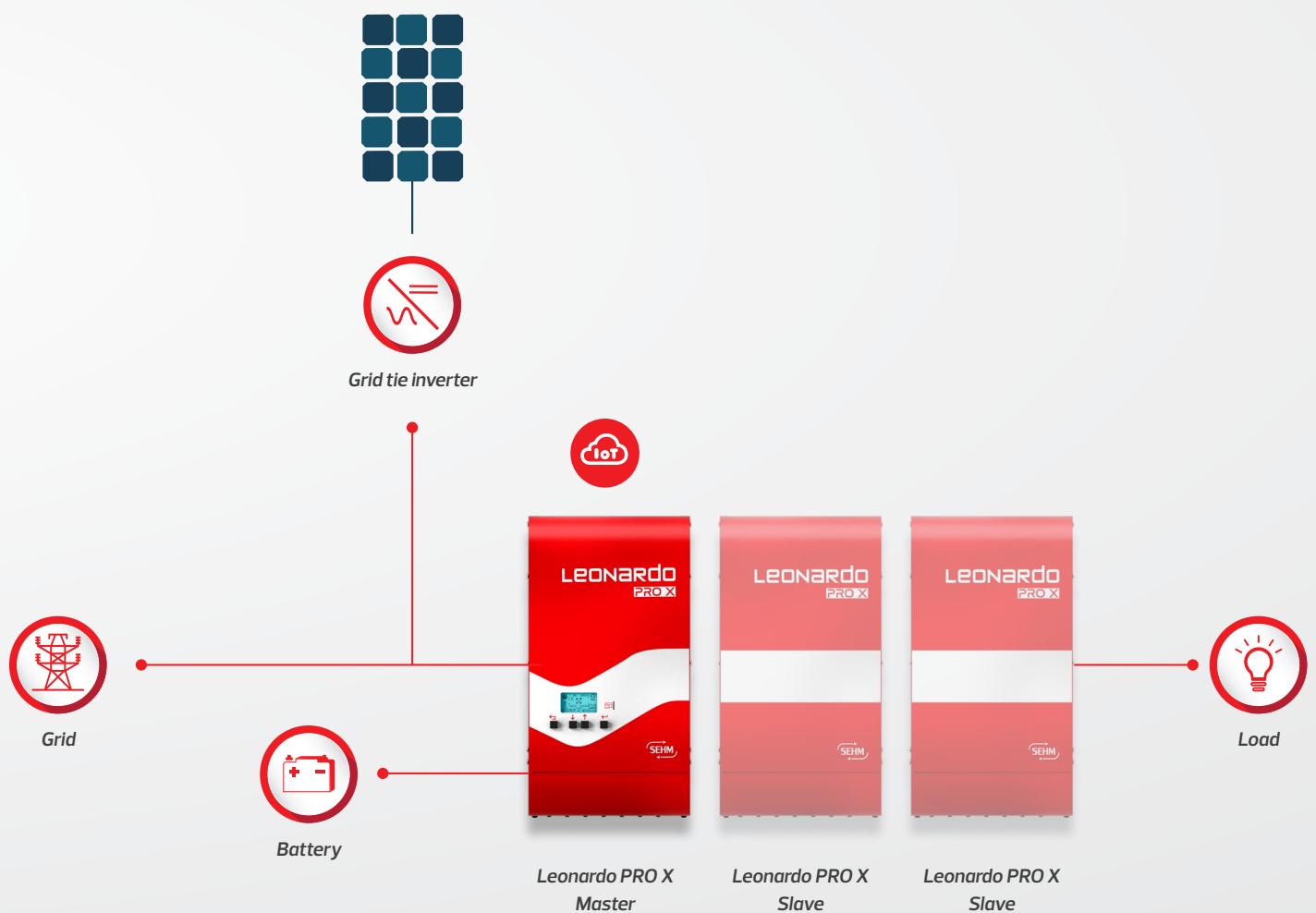


Remote control and integrated function management (to decrease on site operation maintenance)

Schema logico

[eng]
Logic diagram

[fra]
Schéma logique



DC Configuration

Descrizione

Il **Leonardo PRO X** può essere accoppiato ai regolatore di carica WRM60 X SL o WRM30+ che gestiscono la potenza fotovoltaica, così da essere utilizzati per la realizzazione di nuovi impianti FV con batteria di accumulo (configurazione DC/ AC). È possibile abbinare al Leonardo PRO X la versione Slave, per espandere la potenza disponibile e/o per gestire impianti trifase. Disponibile in 2 versioni: 3000VA e 5000VA. Grazie alla gestione del fotovoltaico a 48Vdc, in caso di blackout, oltre alla disponibilità della batteria, sarà possibile prelevare tutta l'energia istantanea generata dai moduli FV. I sistemi sono compatibili con i principali brand di batterie di accumulo al litio.

[eng] Description

Leonardo PRO X can be paired with WRM60 X SL or WRM30+ charge controllers which manage the photovoltaic power, in order to be used for new PV systems with storage battery (DC/AC configuration). It is possible to combine Slave version with Leonardo PRO X, to expand the available power and / or to manage three-phase systems. Available in 2 versions: 3000VA and 5000VA. Thanks to the 48Vdc photovoltaic management, in case of a blackout, in addition to battery availability, it is possible to withdraw all the instantaneous energy generated by the PV modules. The systems are compatible with main brands of lithium storage batteries.

[fra] Description

Le **Leonardo PRO X** peut être couplé aux contrôleurs de charge WRM60 X SL ou WRM30+ qui gèrent la puissance photovoltaïque, afin d'être utilisé pour la construction de nouveaux systèmes PV avec une batterie de stockage (Configuration DC/AC). Il est possible de combiner la version Slave avec Leonardo PRO X, pour augmenter la puissance disponible et / ou pour gérer des systèmes triphasés. Disponible en 2 versions: 3000VA et 5000VA. Grâce à la gestion photovoltaïque 48Vdc, en cas de panne du réseau, en plus de la disponibilité de la batterie, il est possible de retirer toute l'énergie instantanée générée par les modules PV. Les systèmes sont compatibles avec les principales marques de batteries de stockage au lithium.

Caratteristiche prodotto



EPS anti-blackout function (function (Inverter Max Power disponibility) with recovery time <10ms



PEAK SHAVING function to increase the power available in the home system

[eng] Product features



AC overload and short circuit protection



Monitoring and parameter setting directly from the display (or remote console App My Leonardo)

[fra] Caractéristiques du produit



Booster function for increase grid power disponibility

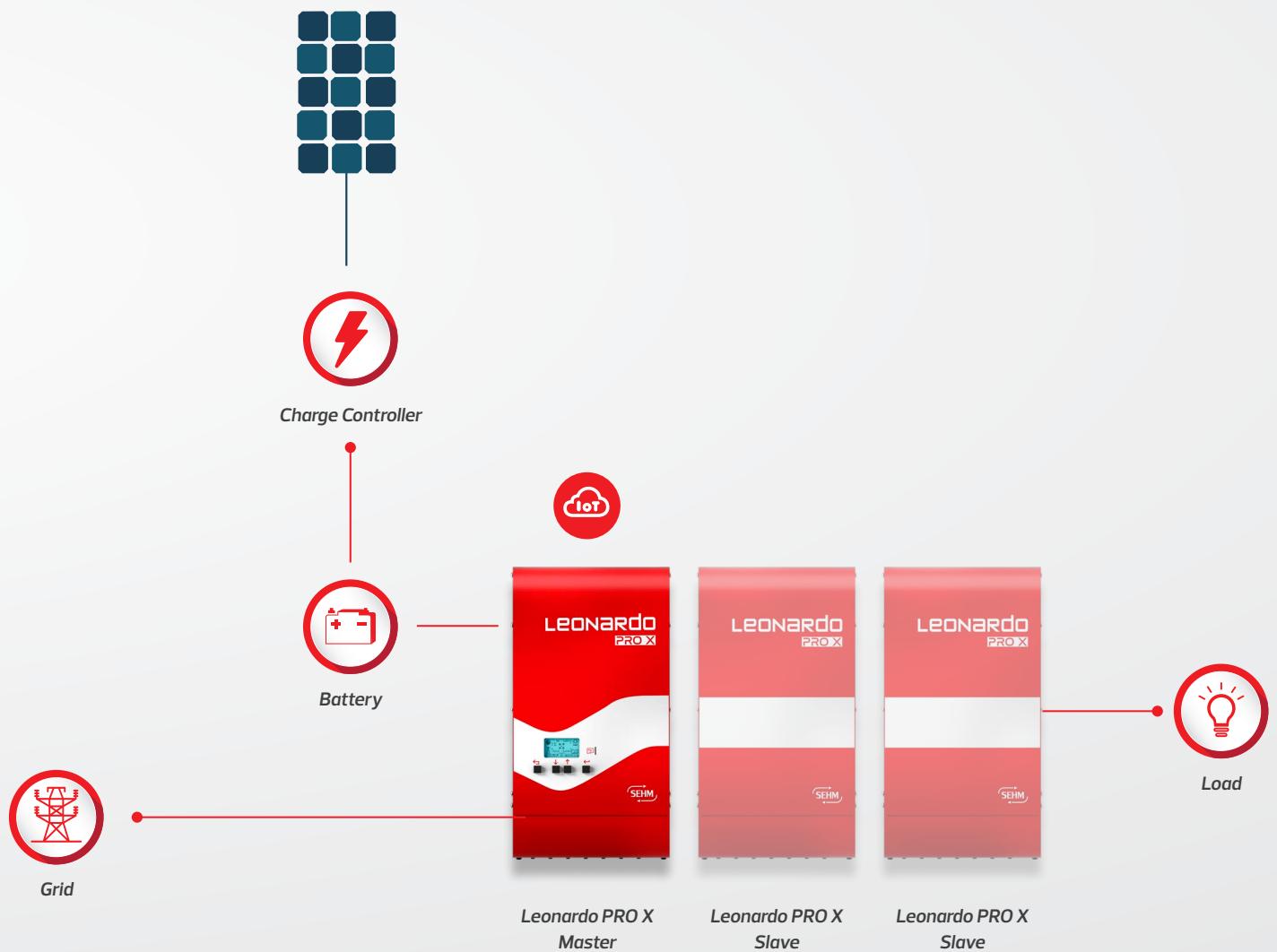


Remote control and integrated function management (to decrease on site operation maintenance)

Schema logico

[eng]
Logic diagram

[fra]
Schéma logique



Off-grid

Descrizione

Il **Leonardo PRO X** assieme ai regolatori di carica esterni WRM60 X SL o WRM30+ può essere configurato anche in modalità off-grid (direttamente dal display) con backup di emergenza su Genset.

Il Leonardo PRO X rende facile ed immediato l'utilizzo di energia prodotta da moduli fotovoltaici, per l'alimentazione di utenze domestiche o isolate, con l'ausilio di un gruppo elettrogeno (back-up) in caso di ridotta energia rinnovabile. Collegando un gruppo elettrogeno all'ingresso AC input, il sistema garantisce la continuità di esercizio delle utenze senza percettibili discontinuità in caso di batteria scarica a causa della ridotta energia rinnovabile disponibile. Infatti, il gruppo elettrogeno gestisce simultaneamente l'alimentazione dei carichi e la carica del banco batterie.

È possibile abbinare al Leonardo PRO X la versione Slave, per espandere la potenza disponibile e/o per gestire impianti trifase. Disponibile in 3 versioni: 3000VA, 5000VA e 8000VA.

I sistemi sono compatibili con i principali brand di batterie di accumulo al litio (tecnologia piombo con aggiunta WBM).

[eng] Description

Leonardo PRO X together with WRM60 X SL or WRM30+ external charge controllers can also be configured in off-grid mode (directly from the display) with emergency backup on Genset. Leonardo PRO X makes it easy and immediate to use the energy produced by photovoltaic modules, to power domestic or isolated users, with the help of a generator (back-up) in the event of reduced renewable energy. By connecting a generator to the AC input, the system ensures continuity of operation of the utilities without perceptible discontinuity in the event of a low battery due to the reduced renewable energy available. In fact, the generator simultaneously manages the power supply of the loads and the charge of the battery bank. It is possible to combine the Slave version with Leonardo PRO X, to expand the available power and / or to manage three-phase systems. Available in 3 versions: 3000VA, 5000VA and 8000VA. The systems are compatible with main brands of lithium storage batteries (lead technology with WBM addition).

[fra] Description

Le **Leonardo PRO X** avec les contrôleurs de charge externes WRM60 X SL ou WRM30+ peut également être configuré en mode hors réseau (directement depuis l'écran) avec une sauvegarde d'urgence sur le groupe électrogène. Leonardo PRO X permet d'utiliser facilement et immédiatement l'énergie produite par les modules photovoltaïques, pour alimenter des utilisateurs domestiques ou isolés, à l'aide d'un générateur (back-up) en cas d'énergie renouvelable réduite. En connectant un générateur à l'entrée AC, le système assure la continuité de fonctionnement des services publics sans discontinuité perceptible en cas de batterie faible en raison de la réduction des énergies renouvelables disponibles. En effet, le générateur gère simultanément l'alimentation des charges et la charge du banc de batteries. Il est possible de combiner la version Slave avec Leonardo PRO X, pour augmenter la puissance disponible et / ou pour gérer des systèmes triphasés. Disponible en 3 versions: 3000VA, 5000VA et 8000VA. Les systèmes sont compatibles avec les principales marques de batteries de stockage au lithium (technologie au plomb avec ajout WBM).

Caratteristiche prodotto



AC input for Genset bypass
(switch <10ms)



Contact for automatic ignition
of the Genset

[eng] Product features



AC overload and short circuit protection



Monitoring and parameter setting directly from the display (or remote console App My Leonardo)

[fra] Caractéristiques du produit

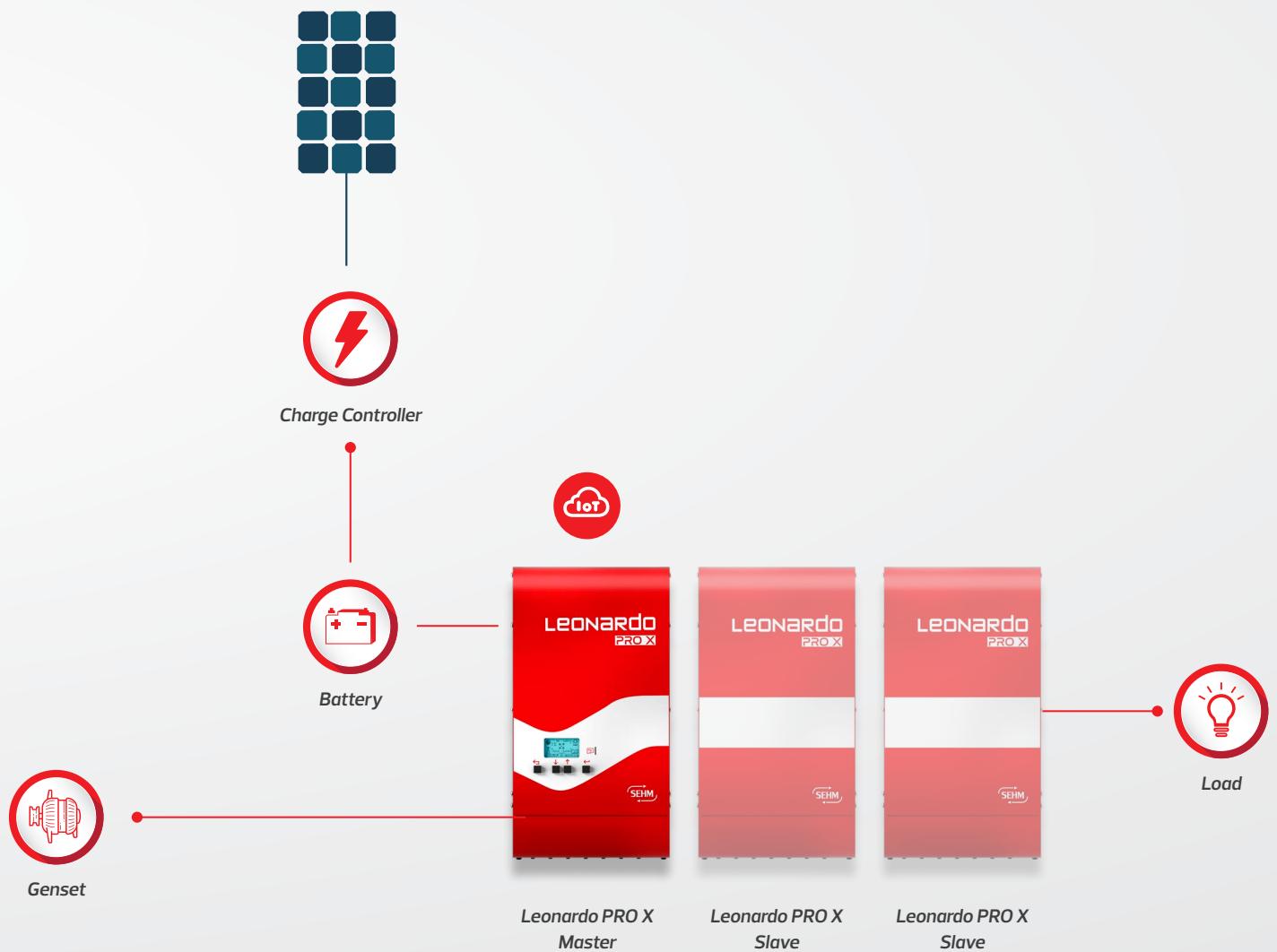


Remote control and integrated function management (to decrease on site operation maintenance)

Schema logico

[eng]
Logic diagram

[fra]
Schéma logique



Monitoring and control for installers

Realtime

[eng]

[fra]

Attraverso la intuitiva visualizzazione Realtime, è possibile prendere visione, a seconda della tipologia di impianto installato, di tutti i parametri del sistema:

- Produzione fotovoltaica distinta in componenti retrofit e regolatori di carica
- Potenza immessa o prelevata dalla rete elettrica o prelevata dal gruppo elettrogeno
- Flusso di potenza in carica o scarica dalla batteria, e stato di carica della batteria.
- Potenza in tempo reale dei propri consumi.
- Report produzione/prelievo/consumi, giornaliero

Through the intuitive Realtime view, it is possible to visualize, depending on the type of system installed, all the system parameters:

- Photovoltaic production divided into retrofit components and charge controllers
- Power fed in or taken from the grid or taken from the genset
- Charging or discharging power flow from the battery, and battery charge status.
- Real-time power of consumption.
- Daily Report of production / withdrawal / consumption

Grâce à la vue intuitive en Realtime ,il est possible de visualiser, selon le type de système installé, tous les paramètres du système:

- Production photovoltaïque divisée en composants de retrofit et contrôleurs de charge
- Puissance injectée ou prélevée sur le réseau ou prélevée sur le groupe électrogène
- Flux d'alimentation de charge ou de décharge de la batterie et état de charge de la batterie.
- Puissance de consommation en temps réel.
- Rapport quotidien de production / retrait / consommation:

Advanced

[eng]

[fra]

Nella sezione Advanced, l'utente ha la possibilità di monitorare l'andamento di tutte le grandezze che caratterizzano il proprio impianto.

Per tutti gli utenti:

- Bilancio in potenza del sistema
- Tensione, corrente e stato di carica batteria

Per installatori:

- Tensione, corrente di ciascuna stringa PV
- Tensione, corrente di ciascuna fase (per impianti trifase)

In the Advanced section, user has the ability to monitor the progress of all the quantities that characterize the system.

For all users:

- System power balance
- Voltage, current and battery charge status

For installers:

- Voltage, current of each PV string
- Voltage, current of each phase (for three-phase systems)

Dans la section Advanced, l'utilisateur a la possibilité de surveiller la progression de toutes les quantités qui caractérisent le système.

Pour tous les utilisateurs:

- Balance de puissance du système
- Tension, courant et état de charge de la batterie

Pour les installateurs:

- Tension, courant de chaque chaîne PV
- Tension, courant de chaque phase (pour les systèmes triphasés)

Notifications

[eng]

[fra]

Con le notifiche push (su app Android e iOS) ed e-mail, il cliente è costantemente aggiornato in caso di:

- batteria scarica
- blackout
- attivazione del gruppo elettrogeno
- sovraccarico del sistema.

With push notifications (on Android and iOS apps) and e-mail, customer is constantly updated in case of:

- low battery
- blackout
- activation of the generator
- system overload.

Avec les notifications push (sur les applications Android et iOS) et les e-mails, le client est constamment mis à jour en cas de:

- batterie faible
- panne du réseau
- activation du générateur
- surcharge du système.

Energy Rates

[eng]

[fra]

Grazie ai diagrammi energetici, è possibile conoscere il proprio report di produzione e consumo.

Sono disponibili filtri temporali, settimanali, mensili e annuali relativi ai dati di energia prodotta, consumata, immagazzinata in batteria, prelevata o immessa dalla rete elettrica.

Thanks to the energy diagrams, it is possible to know your own production and consumption report.

Time filters on weekly, monthly and annual basis are available relating to the data of energy produced, consumed, stored in the battery, taken or fed from the electricity grid.

Grâce aux diagrammes énergétiques, il est possible de connaître votre propre rapport de production et de consommation.

Des filtres horaires hebdomadaires, mensuels et annuels sont disponibles concernant les données d'énergie produite, consommée, stockée dans la batterie, prélevée ou alimentée sur le réseau électrique.

Realtime

The Realtime dashboard provides a visual representation of energy flow within a house. It shows a central 'LEONARDO PRO X' unit connected to various components: a wind turbine (W.M.) producing 4.68 kW, a solar panel (69.5 W), a battery (0.5 W), a grid connection (4.3 kW), and a consumption meter (245.81 W). To the right, there's a summary of daily production (9.05 kWh) and consumption (14.04 kWh), along with a battery status (5.85 kWh).

Advanced

The Advanced dashboard includes two main sections: 'Power Balance' and 'Status'. The Power Balance chart displays energy levels from March 03 to March 07, showing production (green), consumption (blue), and grid (red) levels. The Status chart shows 'Inverter Mode' as active throughout the period.

Notifications

The Settings page allows users to manage their personal account. It includes sections for 'Admin Panel' (Language: English, Date mode: Light Mode), 'Notifications' (Types: Only Push, Items: Select plants), and 'General Info' (CO2 Emission Factor: 100). A 'Save' button is at the bottom.

Energy

The Energy dashboard features two bar charts. The top chart, 'Energy Balance', compares 'Production' (green) and 'Consumption' (red) for each day from March 03 to March 08. The bottom chart, 'Production', breaks down production into 'Solar' (green), 'Wind' (yellow), and 'Grid' (blue) for the same period.

Monitoring and control

[eng]

Attraverso le App mobile tutte le informazioni riguardo il proprio impianto di accumulo **Leonardo PRO X** sono a portata di mano in qualsiasi momento. Le App sono disponibili per smartphone o tablet iOS e Android.

[fra]

Through mobile Apps, all information about your **Leonardo PRO X** storage system is at your fingertips at any time. The Apps available for iOS and Android smartphones or tablets.

Grâce aux applications mobiles, toutes les informations sur votre système de stockage **Leonardo PRO X** sont à portée de main à tout moment. Les applications sont disponibles pour les smartphones ou tablettes iOS et Android.

APP INSTALLATORI

[eng]

APP INSTALLERS

[fra]

APP INSTALLATEURS



my Leonardo



APP UTENTI FINALI

[eng]

APP END USERS

[fra]

APP UTILISATEURS FINAUX



W-Cloud



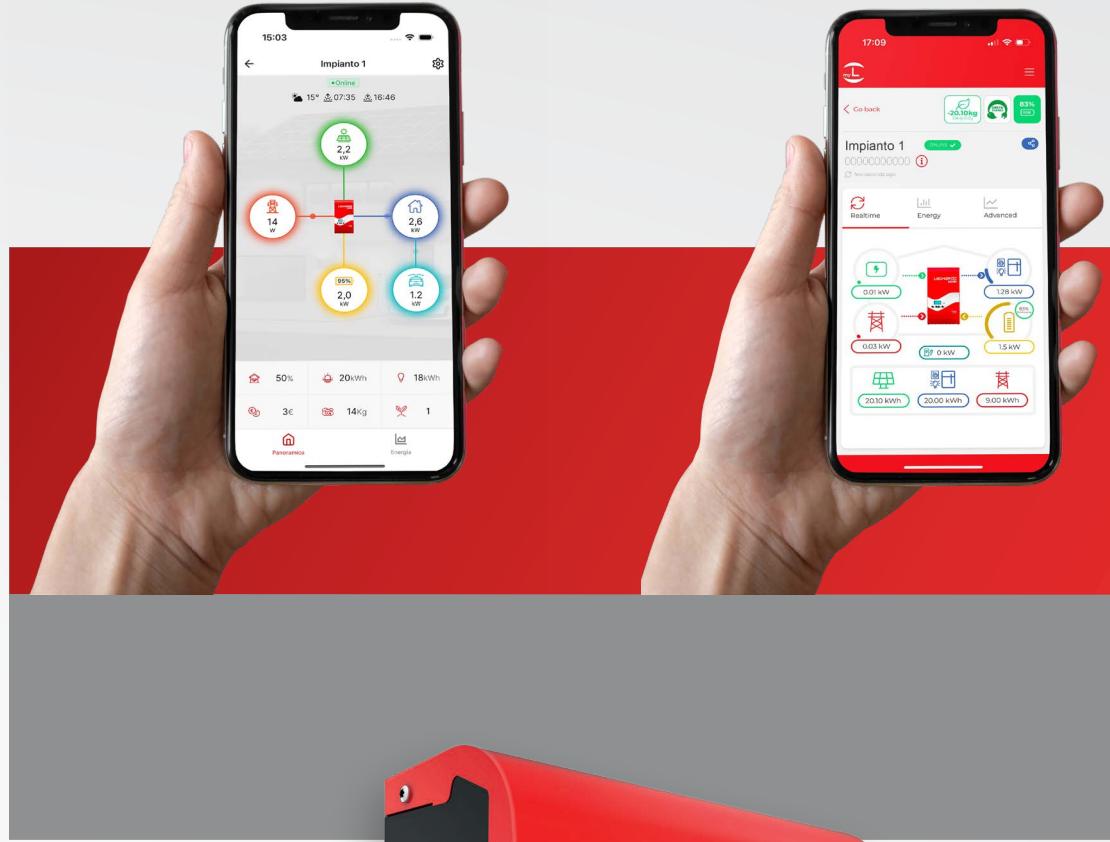
[eng]

[fra]

Grazie alla console remota non si è mai soli in caso di assistenza, modifica impostazioni operative e check-up dell'impianto.

Thanks to the remote console, you are never alone in the event of assistance, changing operational settings and system check-up.

Grâce à la console à distance, vous n'êtes jamais seul en cas d'assistance, de modification des paramètres de fonctionnement et de vérification du système.



Batteries



Descrizione

Il **Leonardo PRO X** è compatibile con i principali brand di batterie di accumulo al litio.

[eng]
Description

Leonardo PRO X is compatible with main brands of lithium storage batteries.

[fra]
Description

Leonardo PRO X est compatible avec les principales marques de batteries de stockage au lithium.

Pylontech

CEI 0-21 COMPLIANT



MODEL	CAPACITY
US3000C	3.5kWh
US5000	4.8kWh

US3000C/US5000

Fino a 8 batterie parallelabili (on-grid) fino a 40 batterie parallelabili (off-grid)

[eng]

US3000C/US5000

Up to 8 batteries in parallel (on-grid) up to 40 batteries in parallel (off-grid)

[fra]

US3000C/US5000

Jusqu'à 8 batteries en parallèle (on-grid) jusqu'à 40 batteries en parallèle (off-grid)



MODEL	CAPACITY
Force L1	3.55kWh
Force L2	3.55kWh

Force L1/L2

Fino a 7 batterie parallelabili (on-grid) fino a 35 batterie parallelabili (off-grid)

[eng]

Force L1/L2

Up to 7 batteries in parallel (on-grid) up to 35 batteries in parallel (off-grid)

[fra]

Force L1/L2

Jusqu'à 7 batteries en parallèle (on-grid) jusqu'à 35 batteries en parallèle (off-grid)

Horien

CEI 0-21 COMPLIANT



MODEL	CAPACITY
48TL200	9.6 kWh

Soluna

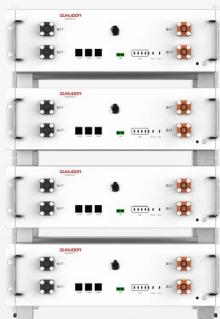
SOLUNA



MODEL	CAPACITY
EOS-5KPack	5.12kWh
10K Pack LV	10.24kWh

Sunwoda Atrix

SUNWODA ENERGY



MODEL	CAPACITY
Atrix	5.0kWh

Lead-acid batteries

[eng]

Grazie al **WBM** le batterie al piombo diventano “smart”.

Il WBM misura la corrente di batteria, la tensione di batteria e la temperatura. Implementa appositi controlli per gestire in modo oculato la batteria, massimizzando la sua vita utile.

I dati vengono così trasmessi al Leonardo PRO X e sono facilmente visualizzabili sia sul display integrato che sul portale web e app my Leonardo.

Thanks to **WBM** lead-acid batteries become “smart”.

The WBM measures battery current, battery voltage and temperature. Implement specific controls to manage the battery wisely,

maximizing its useful life.

The data is thus transmitted to Leonardo PRO X and can be easily viewed both on the integrated display and on the web portal and my Leonardo app.

[fra]

Grâce à **WBM**, les batteries plomb-acide deviennent «intelligentes».

Le WBM mesure le courant, la tension et la température de la batterie. Mettez en œuvre des contrôles spécifiques pour gérer la batterie avec sagesse, maximisant sa durée de vie utile.

Les données sont ainsi transmises à Leonardo PRO X et peuvent être facilement visualisées à la fois sur l'écran intégré et sur le portail Web et my Leonardo app.

Charge controllers



Descrizione

Nel caso di installazione di nuovi impianti FV on-grid o impianti FV off-grid è necessario abbinare al Leonardo PRO X i regolatori di carica WRM30+ o WRM60 X SL. In questi casi, infatti, il sistema si collega in DC ai regolatori di carica esterni WRM30+ o WRM60 X SL.

[eng]

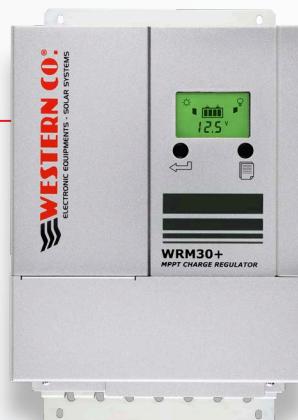
Description

In case of installation of new on-grid PV systems or off-grid PV systems, it is necessary to combine Leonardo PRO X with WRM30+ or WRM60 X SL charge controllers. In these cases, in fact, the system is connected in DC to the external charge controllers WRM30+ or WRM60 X SL.

[fra]

Description

En cas d'installation de nouveaux systèmes PV sur réseau ou de systèmes PV hors réseau, il est nécessaire de combiner Leonardo PRO X avec des régulateurs de charge WRM30+ ou WRM60 X SL. Dans ces cas, en effet, le système est connecté en DC aux contrôleurs de charge externes WRM30+ ou WRM60 X SL.



WRM30+

WRM60 X SL



**Caratteristiche prodotto****[eng]****Product features**

2 Indipendent MPPT PV inputs



WBUS protocol with RS485 communication port

[fra]**Caractéristiques du produit**

Protections:
 Low voltage load disconnect
 Over-temperature
 Battery polarity inversion
 Output overload protection

**Caratteristiche elettriche****[eng]****Electrical specifications****[fra]****Fonctionnalités électroniques**

		WRM30+			WRM60 X SL		
		Min	Typ	Max	Min	Typ	Max
Battery voltage	V_{batt}	40.0V	48.0V	64.0V	40.0V	48.0V	64.0V
Max PV open circuit voltage	V_{pan}	-	-	180V	-	-	180V
Max PV current for each MPPT channel	I_{pan}	-	-	13A	-	-	26A
Max PV power for each channel	P_{chMax}	-	-	900W	-	-	1800W
Battery charge current	I_{ch}	-	-	30A	-	-	30A
Self-consumption	I_q	-	12mA	-	-	15mA	-
Operating temperature	T_{amb}	-40°C	-	+50°C	-40°C	-	+50°C
Max power loss	P_{loss}	-	-	66W	-	-	130W
Efficiency	η	96.0%	-	97.2%	96.0%	-	97.2%
Battery wires / connections		35mm ²			M8 screws		
PV module wires / connections		10mm ²			MC4		
Protection degree		IP20			IP20		
Weight		1.1kg			2.2kg		
Dimensions		178x283x84mm			260x290x80mm		

Electrical specifications

			Leonardo PRO X 3000/48 Li	Leonardo PRO X 5000/48 Li	Leonardo PRO X 8000/48 Off-Grid
INVERTER	Nominal power	Pnom	3kVA	5kVA	8kVA
	Continuous power at 25 °C	Pcon1	2.4kW	4.0kW	6.4kW
	Continuous power at 40 °C	Pcon2	2.2kW	3.7kW	5.5kW
	Battery voltage	Vbat	48V	48V	48V
	Battery voltage range	Vdc	40 – 66V	40 – 66V	40 – 66V
	AC voltage and frequency	Vnom	230Vac – 50Hz	230Vac – 50Hz	230Vac – 50Hz
	AC voltage range	Vac	187 – 265Vac	187 – 265Vac	187 – 265Vac
	AC input current	Iac	32A	50A	100A
	Harmonic distortion	Thd	< 3%	< 3%	< 3%
	Nominal power factor	Pi	1	1	1
	Min. load Maximum efficiency DC-> AC	Eds	95%	96%	96%
	Max. load Maximum efficiency DC-> AC		80%	80%	80%
	Connectable load power on EPS out	Eps	2.4kW	4.0kW	6.4kW
	EPS transfer time on grid blackout	Tsw	10ms	10ms	10ms
	Power consumption in by-pass mode	Pbp	< 2W	< 2W	< 15W
	Topology	Top	Toroidal isolation transformer	Toroidal isolation transformer	Toroidal isolation transformer
	Cooling	Ven	Forced ventilation	Forced ventilation	Forced ventilation
	PV production meter	Mls	40A with direct connection	40A with direct connection	--
	Consumption current sensor	Ta	100A split core current transformer	100A split core current transformer	--
AC CHARGER	Maximum charge power	Pch	2.1kW	3.5kW	5.5kW
	Maximum charge current	Ich	35A	70A	110A
	Maximum efficiency AC-> DC	Ech	95%	95%	95%
	Charging curve	Alg	BMS self-adaptive	BMS self-adaptive	BMS self-adaptive
	Battery communication	Com	CAN BUS	CAN BUS	CAN BUS
INTERFACES	PV production meter connection	Meter	2 x 2.5mm ² screw terminals	2 x 2.5mm ² screw terminals	--
	VE-Bus Master/Slave port	VE-Bus	RJ45	RJ45	RJ45
	WBUS service port	WBUS	RJ11	RJ11	RJ11
	Battery communication port	CAN	RJ10 with 1.5m supplied cable	RJ10 with 1.5m supplied cable	RJ10 with 1.5m supplied cable
	Internet communication port	Ethernet	RJ45	RJ45	RJ45
	Current sensor port	Current Sense	3.5mm Jack with 1m cable	3.5mm Jack with 1m cable	3.5mm Jack with 1m cable
ENCLOSURE	Weight	kg	18	29	42
	Dimensions	mm	271x502x143	317x560x143	355x649x225

Note

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