AIO ESS EASY Sistema residenziale con accumulo energetico

FERRARI

SERIE FERRARI

AIO ESS EASY
SISTEMA RESIDENZIALE
CON ACCUMULO ENERGETICO

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10.2kWh~30.7kWh

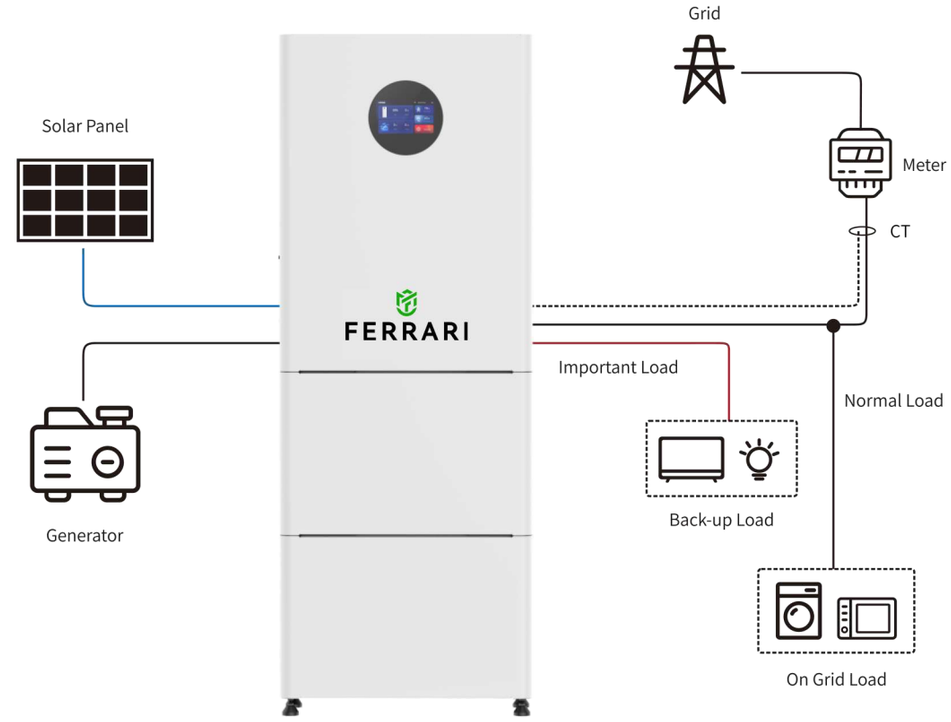
VANTAGGI

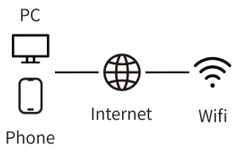
- Connessione parallela multi macchina supportata. Potenza massima a 30,7 kWh.
Life POcells 5120 Ph alimentate da un modulo batteria, la capacità massima di 6 unità è di 30,7 kWh.
- Ricarica rapida PW 7,5kW-12kW, può ottenere l'80% di potenza entro 1 ora, supporto uscita CA 5,5kWA-8,8kWA.
- 80% di capacità alimentata entro 1 ora di ricarica tramite ricarica rapida FV da 7,5 kW-12 kW.
- Design impilato senza cavi tramite connettore
- È supportato l'effetto anti islanding, che può spegnerli e disconnetterli dalla rete durante un'interruzione di corrente.
- App per controllo remoto e monitor

UN38.3

RESIDENTIAL ESS APPLICATION

- Mars residential energy system makes green energy 24/7 available.
- Store daytime energy from photovoltaic and makes it available at any time.
- Peak shaving and valley filling, intelligent purchase or sale of electricity from the power grid, save electric bills and earn money.
- Rural areas that the power grid hardly covers can have stable and cheap electricity from PV systems by using ESS.
- UPS power function supported when an unexpected interruption occurs.
- Higher fuel efficiency compared with oil-fired power generation.





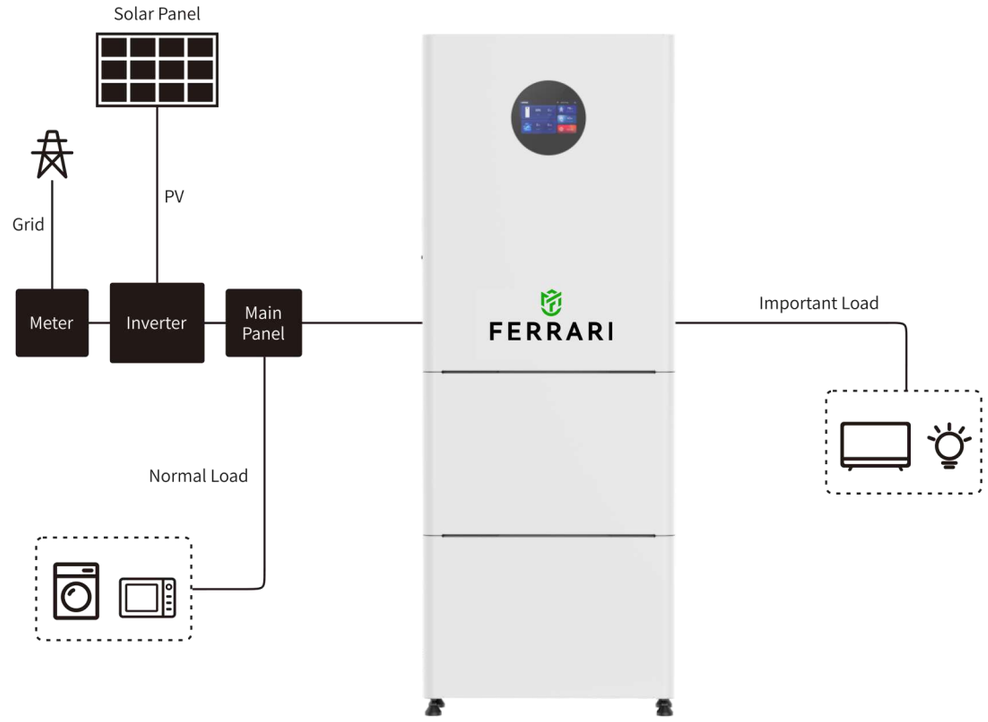
SOLAR BATTERY STORAGE & BACKUP SYSTEM

AC-COUPLED STORAGE SYSTEM

Fearless of Power Outage

Easily Cope with Various Weather Conditions

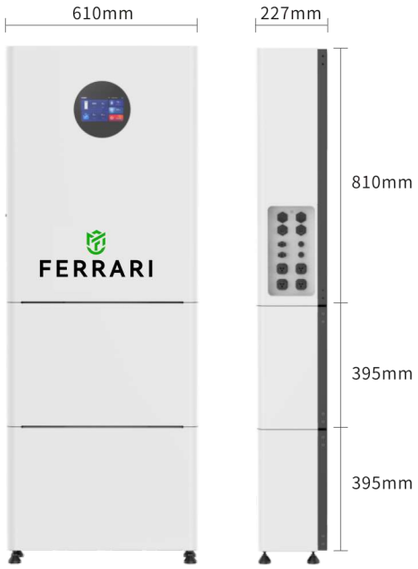
Keep Appliances Running Seamlessly



- User has already installed PV energy system at home, Mars energy storage system can work as home power backup directly, you can DIY quickly instead of waiting for qualified electrician.
- No need communication with PV inverter you already installed, no need any change for the existing PV energy system.

SINGLE-PHASE ESS

SPECIFICATIONS

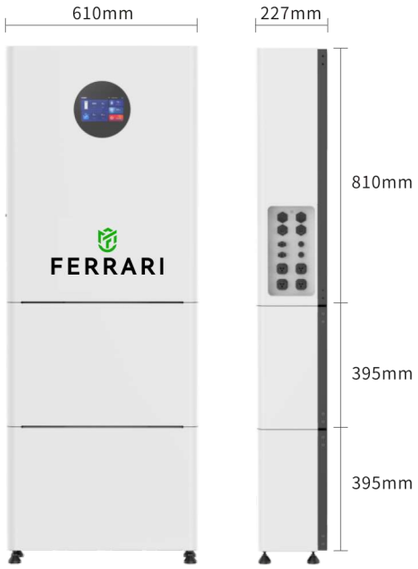


	FF3L	FF4L	FF6L
PV Input			
MAX.DC Input Power	4.6kW	6kW	7kW
NO.MPPT Tracker	2/1		
MPPT Range	125V~500V / 360V		
MAX.DC Input Voltage	550V		
MAX.Input Current	14A*2		
AC Output (On-Grid)			
Rated Active Power	3.6kW	4.6kW	6kW
Max. Apparent Power	3.96kVA	5.06kVA	6.6kVA
Output Voltage Range	230V / 176V~270V		
Output Frequency	50Hz / 60Hz		
Nominal AC Current	16A	20A	26A
Max.AC Current	16A	20A	26A
Max.AC Current From Grid	16A	20A	26A
Output Power Factor	0.8leading~0.8lagging		
OutPut THDI	< 3%		

	FF3L	FF4L	FF6L
AC Output (Back-Up)			
Rated Active Power	3.6kW	4.6kW	6kW
Max. Apparent Power	3.96kVA	5.06kVA	6.6kVA
Nominal Output Voltage L-N/L1-L2	230V		
Nominal Output Frequency	50Hz		
Output THDU	< 2%		
Efficiency			
Europe Efficiency	⩾97%		
MAX. Battery to Load Efficiency	⩾97.6%		
General info			
Dimension	610*248*(555+182+400*N)mm		
Weight	34kg(Inverter)+56kg*N(Power Module)		
Battery Type	$LiFePO_4$		
Cooling Strategy	Natural Convection		
Standby Power	＜2W (Work) / ＜50mW (Sleep)		
Protection Rated	IP65		
Altitude	⩽2000m		
Operating Temperature Range	0°C~50°C		
Humidity	5%~95%		
Display	APP / TFT Screen		
Communication Interface	RS485 / CAN		
Warranty	10 Years		
Compliance			
Safety	IEC 62109 / IEC62040		
	ANSI / CAN / UL1973:2022		
	VDE2510-50		
	CEEMCEN61000-6-1 / 2 / 3 / 4:2017		
	CELVD EN62477-1		
EMC	EN61000-6-1 / -2 / -3 / -4		
Grid Connection Standards	AS4777.2 / CEI0-21/ G99 / G100 / NRS 097 / EN50549 / PEA		
Transportation	UN38.3 (ST / SG / AC.10 / 11 / Rev.7 / Amend.1Partlllsub-section 38.3)		

THREE-PHASE ESS

SPECIFICATIONS



	FF8XL	FF10XL	FF12XL
PV Input			
MAX.DC Input Power	11kW	13kW	15.6kW
NO.MPPT Tracker	2/1		
MPPT Range	125V~850V		
MAX.DC Input Voltage	1000V		
MAX.Input Current	13A*2		
AC Output (On-Grid)			
Rated Active Power	8kW	10kW	12kW
Max. Apparent Power	8.8kVA	11kVA	13.2kVA
Output Voltage Range	400V / 360V~440V		
Output Frequency	50Hz / 60Hz		
Nominal AC Current	12.7A	15.8A	19.0A
Max.AC Current	12.7A	15.8A	19.0A
Max.AC Current From Grid	12.7A	15.8A	19.0A
Output Power Factor	0.8leading~0.8lagging		
OutPut THDI	< 3%		

	FF8XL	FF10XL	FF12XL
AC Output (Back-Up)			
Rated Active Power	8kW	10kW	12kW
Max. Apparent Power	8.8kVA	11kVA	13.2kVA
Nominal Output Voltage L-N/L1-L2	400V		
Nominal Output Frequency	50Hz		
Output THDU	＜2%		
Efficiency			
Europe Efficiency	97.90%	98.20%	98.20%
MAX. Battery to Load Efficiency	97.20%	98.50%	98.50%
General info			
Dimension	610*248*(570+344+400*N)mm		
Weight	34kg(Inverter)+56kg*N(Power Module)		
Battery Type	$LiFePO_4$		
Cooling Strategy	Natural Convection		
Standby Power	＜2W (Work) / ＜50mW (Sleep)		
Protection Rated	IP65		
Altitude	⩽2000m		
Operating Temperature Range	0°C~50°C		
Humidity	5%~95%		
Display	APP / TFT Screen		
Communication Interface	RS485 / CAN		
Warranty	10 Years		
Compliance			
Safety	IEC 62109 / IEC62040		
	ANSI / CAN / UL1973:2022		
	VDE2510-50		
	CEEMCEN61000-6-1 / 2 / 3 / 4:2017		
	CELVD EN62477-1		
EMC	EN61000-6-1 / -2 / -3 / -4		
Grid Connection Standards	AS4777.2 / CEI0-21 / G99 / G100 / NRS 097 / EN50549 / PEA		
Transportation	UN38.3 (ST / SG / AC.10 / 11 / Rev.7 / Amend.1Partlllsub-section 38.3)		