

FLYFINE



Hybrid Inverter
(Single Phase)

Ev Charger Gun



Battery Moduel 5kw
(Max 6 Pcs)

Base With Wheels
(optional)

Energy Storage System With EV Charger

All In One Residential Solution

- ▶ Highly integrates hybrid inverter , LiFePO4 battery, EV charger
- ▶ IP65 waterproof
- ▶ Modular design for good expansibility, up to 8 battery modules in parallel
- ▶ Controlled by built-in DSP and adopt advanced SPWM technology
- ▶ Movable design for more convenience
- ▶ Smart IC card activation start
- ▶ Easy installation within 20 minutes individually
- ▶ 24-hours real-time online monitoring, connectable WIFI management control

Model	FEA7K	FEA11K
Inverter Data	Single Phase	Three Phase
Max. Input Power(W)	7000	15600
PV Input Voltage Range(V)	150~500	350~650
MPPT Operating Voltage Range(V)	120~430	200~800
Number Of MPPT Trackers	2	2
Number Of Strings Per MPPT	1	1
Max. Input Current Per MPPT	15A/15A	36A/18A
Nominal Utility Grid Voltage(V)	220/230/240	380/400
Nominal Utility Grid Frequency(Hz)	50/60	50/60
Rated Power Output To Utility Grid(W)	5000	10000
Max. Apparent Power Output To Utility Grid(VA)	5500	12000
Back-up Rated Power(W)	4500	9200
Switch Time	<10ms	<10ms
Battery Data		
Battery Type	LiFePO4	Lithium
Single Battery Energy(KWh)	5.12	5.12
No. of Expandable Batteries	8	6
Capacity(KWh)	5.12~40.96	5.12~30.72
DOC(optional)	20%	20%
Battery Voltage Range(V)	41.6~58.5	44~57
EV Charger Data		
Rated Power(W)	7000	11000
Nominal Voltage(V)	220/230/240	380/440
Nominal Frequency(Hz)	50/60	50/60
Operation Mode	Swipe card/APP control/Insert charger plug to start automatically/Schedule appointment for charging	
Output Cable	5m AC charging cable	5m AC charging cable
Conversion Efficiency		
Max. Efficiency	98%	98%
EU Efficiency	97%	97.5%
Max. Battery To AC Efficiency	95%	95%
MPPT Efficiency	99.9%	99.9%
System Data		
Operating Temperature Range (°C)	-25°C~55°C	-25°C~55°C
Relative Humidity	≤95%(25°C)	≤95%(25°C)
Vibration	<0.5G	<0.5G
Noise	<35dB	<35dB
Installation Altitude Above Sea Level	≤2000m	≤2000m
Protection Level	IP65	IP65
Cooling Mode	Natural Cooling	Natural Cooling
Communication	RS485/CAN/WiFi	RS485/CAN/WiFi
Inverter Dimensions (W*H*Dmm)	580*500*370	645*557*370
EV Charger Dimensions (W*H*Dmm)	580*220*370	650*270*370
Single Battery Dimensions (W*H*Dmm)	580*220*370	585*270*370
Base Dimensions (W*H*Dmm)	604*100*404	680*110*378