

ESS **PV-6000** 5KW

All In One Energy Storage System **Battery** Solutions

Integrated

Pre-programed energy storage system with offgrid solar inverter module and lithium battery modules ;



Flexible

Modular stackable design ,battery capacity to be expanded up to 15.36kWh per tower;



Safe

Build-in top class LiFePO4 battery modules , enhanced safety with intelligent BMS and thermal control ;



Smart

Configurable dual output setting ,save battery backup time for critical loads when grid is not available and PV is not efficient .



Versatile

Selectable input voltage ranges to fit home appliances or personal computer loads ;



User-friendly

Real time display for operation status through 5.5" colorful LCD , easily to be read ;built-in wifi monitoring via mobile APP ,makes life even easier ;



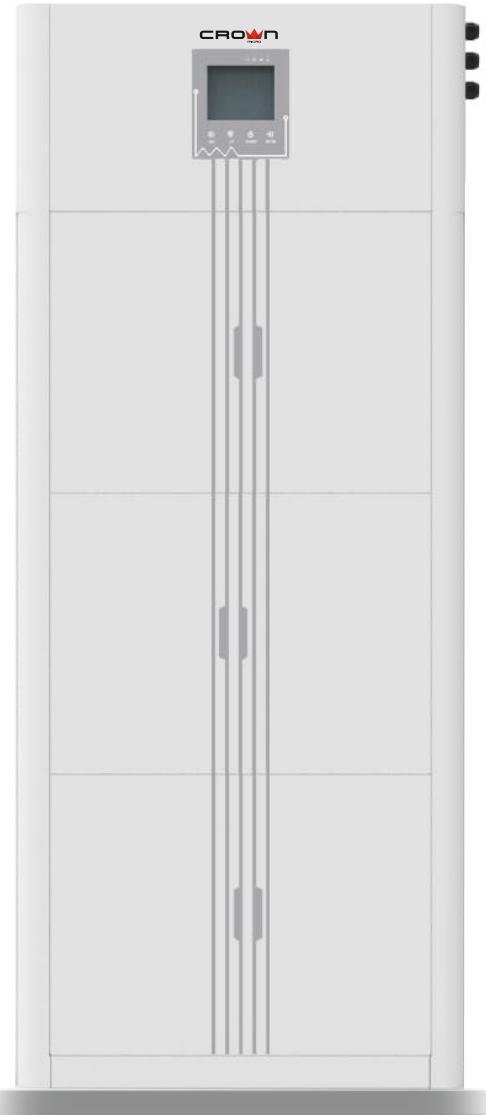
Compact

Modular stand design ,with minimized footprint just about ;



Easily installation

Quick coupling terminal connection ,limited tools needed for installation ;



Supports max 3pcs inverter modules and 9pcs battery modules in parallel ,easily to be extended as 15kW/45kWh by connecting smart home panel , sufficient for most residential and commercial energy storage scenarios .

Specification:

MODEL	5.0
INVERTER MODULE	5.0-INV
INPUT	
Voltage	220/230/240VAC
Selectable Voltage Range	170~280Vac(for personal Computer) ; 90~280Vac (for home appliances)
Frequency Range	50Hz/60Hz(Auto sensing)
OUTPUT	
Rated Output Power	5kW
Surge Power	10kVA
Wave Form	Pure Sine Wave
AC Voltage Regulation(Batt.Mode)	(220VAC~240VAC) $\pm 5\%$
Transfer Time	10ms(typical)
SOLAR CHARGER & AC CHARGER	
Max PV Array Open Circuit Voltage	500Vdc
PV Array Voltage Range	MPPT 120-450Vdc
Num. of MPP Trackers	1
Maximum PV Input Power	6000W
Maximum PV Input Current	18A
Maximum Solar Charge Current	100A
Maximum AC Charge Current	100A
Maximum Charge Current	100A
COMMUNICATION	
Monitoring Interface	5.5" colorful LCD ,with tough pad
Remote Monitoring	APP with Wifi connection
PHYSICAL	
Dimension (D*W*H)	170*675*310mm
Net Weight(kg)	15

BATTERY MODULE	5.12
OPERATION PARAMETERS	
Rated Energy	5120Wh
Rated Voltage	51.2V
Battery Chemistry	LiFePO4
Voltage Range	44.8-56Vdc
Charge Voltage Range	55.2-56Vdc
Recommend Charge Current	50A
Max Charge Current	100A
Max Discharge Current	100A
Protection	BMS ,Breakers
Communication Port	RS485,CAN
ENVIROMENTAL PARAMETERS	
Humidity (%)	5-95% RH
Charge Temperature Range	0-45℃
Discharge Temperature Range	-20-60℃
Storage Temperature Range	-20-45℃
SERVICE LIFE	
Cycle Life	>6000 (0.5C@ 25℃ , 80% DOD)
Design Life	15 year
CERTIFICATION	
Safety & EMC	CE, EMC
Transportation	UN38.3 ,MSDS
PHYSICAL	
Dimension (D*W*H)	170*675*420mm
Net Weight	48kg

Product specifications are subject to change without further notice.