

Smart Residential PV & Energy Storage System

Intelligent, Efficient & Sustainable Home Energy Solution



Simple Installation



Maximum Reliability & Safety



Bluetooth + wifi Wireless Enabled



Max. 16

mobile storage batteries in series



NUR505-5427

-  Large battery capacity and long working time
-  Intelligent battery management system
-  Compatible with a variety of inverters
-  Support a variety of communication protocols, support RS485, RS232, CAN etc
-  Bluetooth + wireless dual-mode support delivers secure remote monitoring and control
-  Long cycle life, using high-quality LiFePO4 Cells, the cycle life is as high as 8000 times



www.nurtekenergy.com



info@nurtekenergy.com

Technical Parameter

Model	NUR505-5427
Specification	51.2V100AH
Rated Voltage	51.2V
Rated Capacity	100AH
Rated Energy	5.12kWh
Cell Typ	LiFePO4
Composition	16S1P
Working Voltage Rang	43.2V-57.6V
Output Power	Max:5.12KW
Max Charge Current	Max:50A
Max Discharge Current	Max:100A
Display	LCD Display Screen
Communication Interface	RS485,RS232,CAN
BMS Protection Function	Overcurrent,Overvoltage,Overcharging,Overdischarge,Short Circuit,Over-temperature,etc
Compatible Inverters	DEYE /Afore /MEGAREVO/SOLIS/Growatt /LUXPOWER/Voltronics Goodwe/SMA/Victron/SOROTEC/MUST/etc.
Change Temperature	0°C-45°C
Dischange Temperature	-20°C-65°C
Storage Temperature	-10°C-45°C
Cooling Method	Natural Cooling
Design Life	10 years
Cycles	8000@25°C /0.5C/80%DOD
Battery Size(WxDxH)	L620*W420*H170mm
Package Size(WxDxH)	L715*W485*H310mm
Net Weight	47.5Kg
Gross Weight	51.0Kg
*Bracket standard (removable), Size and Weight for reference only	



Supports 16 units in parallel



Built-in WiFi/Bluetooth for remote monitoring



Real-time status on LCD display

