



INVERTER 
  ESS 
  SMART HOME 
  ELECTRONICS

**NicePower Series**  
**48V-100AH**

- Round-Trip Efficiency  $\geq 97.5$
- 90% Recommend DOD
- Max 30+Pcs in Parallel
- Advanced Battery Management System (BMS)

**APPLICATION**



High-end villa



Communication base station



Nomadic farm



Enterprise electricity

**APPLICATION SCENARIO**

Model		NP- W525	NP- W5	NP- WG10	NP- WG15
Battery Type		24V 204 AH LiFePO4	48V 100 AH LiFePO4	48V 204 AH LiFePO4	48V 306 AH LiFePO4
Nominal Energy	KWh	5.1	4.8	9.6	14.3
Usable Energy	KWh	4.4	4.4	8.8	13.2
Peak Output Power (KW, 3 Seconds)	KW	7.68	7.68	9.6	9.6
Round-Trip Efficiency		$\geq 97.5\%$			
Nominal Voltage	V	25.6	48	48	48
Operating Voltage	V	22-26	42-55	42-55	42-55
Max Charge/Discharge Current	A	50/100	100/200	200/200	200/200
Communication		CAN, RS485			
Enclosure Protection Rating		IP21			
Operating Temperature	°C	-15-50			
Cooling Type		Natural Cooling			
Installation		Wall Mounted, Ground Mounted, Indoor			
Cycles Life		$> 6,000$			
Design Life		10+ Years (25°C@77°F)			
Recommend DOD		90%			
Dimension (W*H*D)	mm	535*395*165	535*395*165	900*395*165	1400*395*165
Weight	Kg	47	47	90	130
Humidity		5% - 95%			
Altitude	m	$< 2,000$			
Warranty		5 Years			
Safety Standard		UL1973/IEC62619/UN38.3			
Scalability		Max 30+ Pcs in Parallel			
Ktech Cloud Platform		Yes			

