



High Cycle Life

6500 cycles, over 15 years of service life
Module-level charge/discharge optimization



Highly Efficient

Device side and cloud integrated BMS intelligent algorithm, optimize charging and discharging strategy, support deep discharge, release more power



High Safety and Reliability

Automotive grade lithium iron phosphate (LFP) cells
Vehicle-grade BMS, multiple battery safety protection



Convenient Installation

Ultra-thin Wall mount design, easy to install



Smart and Controllable

Smart APP to grasp real-time power information
All kinds of status information at a glance



Highly Compatible

Compatible with various brands of inverters for household use

Powernest PNR-15/20/25/30/35-01 Specification

Smart rack mount ESS



Technical Specification					
Model	PNR-15-01	PNR-20-01	PNR-25-01	PNR-30-01	PNR-35-01
Nominal voltage	51.2 V				
Capacity	300 Ah	400 Ah	500 Ah	600 Ah	700 Ah
Energy	15 kWh	20 kWh	25 kWh	30 kWh	35 kWh
Max working current	200 A	300 A	400 A	400 A	400 A
Cycle Life(25±2°C,0.5C/0.5C,80%DOD)	≥6500				
Warranty	10 years (free) , 15 years (paid)				
Charge voltage	56.0 V±0.5 V				
Max. support parallel connection	15 pcs				
Discharge end voltage	48.0 V±1.0 V				
Charge temperature range	0°C~60°C (32°F ~ 140°F, Battery life loss under 0°C)				
Discharge temperature range	-20°C~60°C (-4°F ~ 140°F, Battery life loss under 0°C)				
Dimension (L x W x H)	550 x 480 x 785 mm (21.7 x 18.9 x 30.9 in)	550 x 480 x 1000 mm (21.7 x 18.9 x 39.4 in)	550 x 480 x 1215 mm (21.7 x 18.9 x 47.8 in)	550 x 480 x 1430 mm (21.7 x 18.9 x 56.3 in)	550 x 480 x 1645 mm (21.7 x 18.9 x 64.8 in)
Weight ¹	135 kg (298 lb)	180 kg (397 lb)	225 kg (496 lb)	270 kg (595 lb)	315 kg (694 lb)
Communication	RS485 / CAN2.0				
Certificates	UN38.3, MSDS, UL1973, IEC62619				



*1 The weight of the battery module is subject to the actual product, with a tolerance of ±3%.