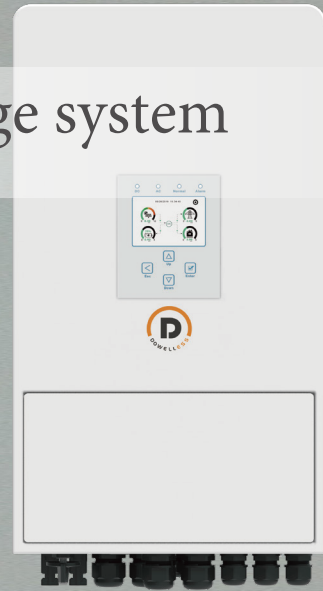




iPack C3.3 Battery Storage system

3.6KW/5KW/3.3KWh



10 YEAR

Compared with normal batteries, the battery is characterized with better charging and discharging Performance, longer cycle life and less self discharging loss. The built-in BMS can monitor battery operation status and alarm timely to avoid operation out of limit. The module-based design allows for convenient installation and maintenance. A maximum of six batteries can be parallel-connected to expand energy and power of energy storage system.



Modular Design: Support one person installation



Safe Performance: LFP chemistry



Expandability: 6 batteries can be parallel-connected



Luxury Design: Compact and light with stainless Aluminum cover



Parameter

iPack C3.3

Nominal Energy	3.3kWh
Usable Energy	3kWh
Depth of Discharge	93%
Nominal Voltage	51.2V
Operating Voltage Range	48 to 57.6V
Standard Charging Current	60A
Max. Discharging Power	2.1kW
Rated Discharging Power	1.65kW
RTE	94%
Life Cycles	>6000
Warranty	10 years
Dimension	W444*D131*H394mm
Weight	30KG
Cooling	Natural Cooling
Ingress Protection	IP20
Installation	RACK-mounted installation
Operating Temperature	-10°C to 50°C
Storage Temperature	-20°C to 45°C
Cell Safety Certification	IEC62619/ UL1973
PACK Safety Certification	IEC62619/ CE
UN Transportation Test Standard	UN38.3+PI965
Communication Port	CAN2.0B* 1CH; RS485* 1CH
Parallel Connection	Max 6 PACKs



Model Name

iPower 3.6 iPower 5

Battery Input Data

Battery Type	Lead-acid or Lithium-ion	
Battery Voltage Range	40~60V	
Max. Charging/Discharging Current	90A	120A
Charging Curve	3 Stages / Equalization	
External Temperature Sensor	Optional	
Charging Strategy for Li-Ion Battery	Self-adaption to BMS	

PV String Input Data

Max. DC Input Power	4680W	6500W
PV Input Voltage	370V (100V~500V)	
MPPT Range	125~425V	
Full Load DC Voltage Range	240~425V	
Start-up Voltage	150V	
PV Input Current	11A+11A	
No.of MPPT Trackers	2	
No.of Strings Per MPPT Tracker	1+1	

AC Output Data

Rated AC Output and UPS Power	3600W	5000W
Max. AC Output Power	3960W	5500W
Peak Power	2 times of rated power, 10 S	
AC Output Rated Current	15.7A	21.7A
Max. AC Current	18A	25A
Max. Continuous AC Passthrough	35A	
Power Factor	0.8 leading to 0.8 lagging	
Output Frequency and Voltage	50/60Hz; 220/230 / 240Vac (single phase)	
Grid Type	Single Phase	
Current Harmonic Distortion	THD<3% (Linear load<1.5%)	



Model Name

iPower 3.6 iPower 5

Efficiency

Max. Efficiency	97.6%
Euro Efficiency	96.5%
MPPT Efficiency	99.9%

Protection

PV Input Lightning Protection	Integrated
Anti-islanding Protection	Integrated
PV String Input Reverse Polarity Protection	Integrated
Insulation Resistor Detection	Integrated
Residual Current Monitoring Unit	Integrated
Output Over Current Protection	Integrated
Output Shorted Protection	Integrated
Output Over Voltage Protection	Integrated
Surge protection	DC Type II / AC Type II

Certifications and Standards

Grid Regulation	UL1741, IEEE1547, RULE21, VDE 0126, AS4777, NRS2017, G98, G99, IEC61683, IEC62116, IEC61727
Safety Regulation	IEC62109-1, IEC62109-2
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B

General Data

Operating Temperature Range	-25 to 60°C, >45°C Derating
Cooling	Smart cooling
Noise	<30 dB
Communication with BMS	RS485; CAN
Weight	32KG
Size	W420*H670*D233mm
Protection Degree	IP65
Installation Style	Wall-mounted
Warranty	5 years

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