DYNESS

NEW

PowerBrick Max20

20.07kWh~1MWh Capacity
Residential Low-voltage Battery

Charge Faster. Power More

Max charge/ discharge power
10.75kW

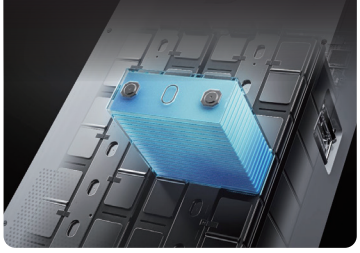
Peak discharge power
16.03kW, **10**min



Easy to move by one person with wheels



392Ah LFP cells, 10000+ cycles



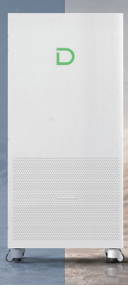
Ultra Safe
Built-in aerosol fire extinguisher to eliminate fire risks

5s



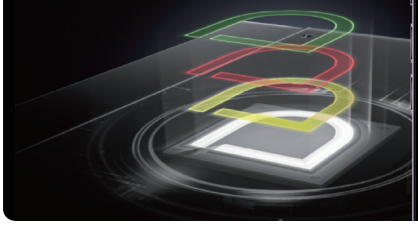
Wide Operating Temperature Range

-20°C
Cold resistant down to (optional)



55°C
Heat resistant up to

LED+APP+Web
Smart Monitoring & Management
AI-Powered Assistant





File version-20261008-EN
Information might be subject to change without notice during product improving.

www.dyness.com
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SPECIFICATION

Model	PowerBrick Max20
Battery Type	$LiFePO_4$(LFP)
Nominal Battery Energy	20.07kWh
Usable Battery Energy	19.07kWh
Nominal Capacity	392Ah
Nominal Voltage	51.2V
Operating Voltage	44.8V~57.6V
Max Charge & Discharge Current	210A (0.54C)
Peak Discharge Current (25°C)	313A (0.8C), 10min
Max Charge & Discharge Power	10.75kW
Peak Discharge Power(25°C)	16.03kW,10min
Depth of Discharge (DOD)	95%
Charge Temp. Range	0°C~55°C/-20°C~55°C(optional)
Discharge Temp. Range	-20°C~55°C
Net Weight	137Kg
Dimension[W/D/H]	454/251/925mm
Protection Level	IP20
Communication	CAN/RS485
Cycle Life [1]	≥10000 Cycles
User Interface	WIFI+APP
Safety Protection	Built-in aerosol fire extinguisher
Installation	Floor-mounted,Wall-mounted(optional)
Expansion	Up to 50 units in parallel
Warranty Period [2]	10 Years
Certification & Safety Standard	IEC62619/IEC63056/EMC/RED/UN38.3/VDE 2510-50
Compatible Inverters	SMA/Victron Energy/Ingeteam/Solis/GoodWe/Growatt/ Solplanet/Luxpower/Deye/Sungrow/Dyness etc.

[1] Test conditions: 0.5C Charging& Discharging, 25°C, 95% DOD, 60%EOL

[2] Refer to Dyness Warranty Letter