



AURA



CASE

CAPACITOR BANK

Introducing the Powercell 100kF

By Aura Aerospace

PRODUCT:

Powercell 100kF 25V
Graphene Ultracapacitor Bank

Electrical

Peak Voltage at Charge:	27v
Nominal Discharge Voltage (180A):	23.5v
Voltage at Discharge Termination:	18v
Capacity Rating:	600Wh
Bank Capacity:	100,000 Farads

Life Data

Only Gentle use:	15A in/out = 500 000 Charge/Discharge Cycles
Only Standard use:	30A in/out = 250 000 Charge/Discharge Cycles
Only Fast use:	60A in/out = 125 000 Charge/Discharge Cycles
Only Extreme* use:	180A in/out = 50 000 Charge/Discharge Cycles

*Please note: extreme fast charging is very dangerous; you must follow all safety instructions provided with your Powercell. Before attempting an extreme fast charge, you must ensure your power supply is correctly calibrated and perform an initial stepped test to ensure there are no calibration defects in your system when operating at high current. Do not attempt an extreme fast charge without first conducting these tests. If there are any thermal or calibration issues in your charging setup, do not attempt an extreme fast charge, contact customer support using the details provided with your Powercell purchase.

Charge / Discharge Ratings

Standard Charge / Discharge:	600W (~30A) in 1hr
Fast Charge / Discharge:	1.2kW (~60A) in 0.5hr
Extreme Fast* Charge / Discharge:	3.6kW (~180A) in 10min

Operating Temperature:

-40°F -40°C ~ 158°F +70°C

Case Dimensions (incl. lid & handles)

Axis	Dimension	mm	in
X	Width	410	16.142
Y	Height	290	11.417
Z	Depth	230	9.055

Capacitor Bank Dimensions

Axis	Dimension	mm	in
X	Width	315	12.402
Y	Height	175	6.890
Z	Depth	135	5.315

Case Base Dimensions

Axis	Dimension	mm	in
X	Width	410	16.142
Z	Depth	230	9.055

Mass:

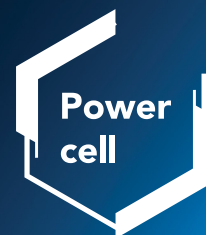
10kg (+/-5%)
22lb (+/-5%)
(incl. case, wire & connector)

Cable Length:

380mm (+/-5%)
14.960in (+/-5%)
(internal opening to connector point)

Customer Service:

Call: **+(415) 690 2010**
If unattended, please leave a message.
Email: **support@aura.aero**



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