SkelMod 162V92F

- + 162V DC nominal voltage
- + Ultra-low ESR
- + Long lifetime 1 million duty cycles
- + High power output

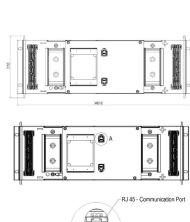


General Specifications	Value	Unit
Electrical		
Rated voltage	162	V
Rated capacitance	92	F
Rated DC 10ms ESR	9.0	$m\Omega$
Rated DC 1s ESR	12.2	$m\Omega$
Rated maximum peak current (for 1 s duration) 1,9	3.15	kA
Typical short circuit current (For informational purposes - do not use as operating current.)	18.1	kA
Maximum stored energy ²	335.3	Wh
Cells in total	54	pcs
Cell configuration	54s1p	
Cell type	SCX5000	
Physical parameters	Value	Unit
Mass. Typical	35.0	kg
Dimensions (WxHxL)	480 x 155 x	
Width indicates the dimensions for the front panel, the rest of the module is narrower and usable in a 19" rack.	510	mm

Temperature and Life	Value	Unit
Operating temperature range*		
Minimum	-40	°C
Maximum	+60	°C
Storage temperature range (uncharged))	
Minimum	-40	°C
Maximum	+50	°C
Life		
Lifetime @ 162V and maximum operating temperature	1500	Hours
Storage life @ RT, uncharged	10	Years
Projected cycle life @ RT, between $\rm V_R$ and $\rm V_R$ / 2	1,000,000	Cycles
Power		

Rated nominal power, calculated from 10 ms ESR			
Power ⁶	732.6	kW	
Rated practical power, calculated from 1 s ESR			
Power ⁶	538.0	kW	





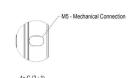


2x A (2:1)

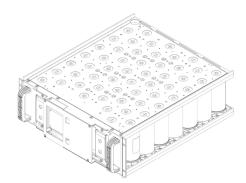


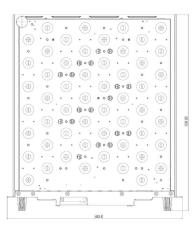
2x B (1:1)

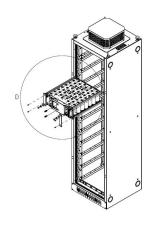


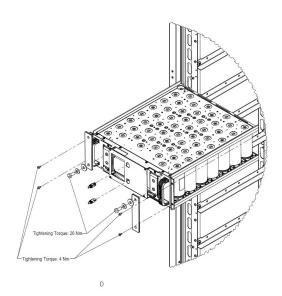


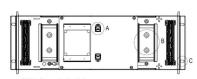












2x A (2:1)







4x C (2:1)

- (1) Maximum peak current (1 sec) = $\frac{\frac{72 \text{ UV}}{\text{C} \times \text{ESR} + 1\text{s}}}$

- (7) $P_{\text{specific}} = \frac{P_{\text{max}}}{\text{mass}}$ (8) $R_{\text{th}} = \frac{\Delta T}{\text{DC 1s ESR} \times I^2}$

- (10) These values of current refer to begin of life conditions of the product, for system design 200% ESR should be considered.
- + Name of manufacturer, part number, serial number, rated voltage
- + Rated capacitance, negative and positive terminals, warning marking
- + Total energy in watt-hours