Series: iMOD™

Features:

- Built with patented THiNCAPS™
- Front terminal connections
- Lowest ESR in the industry
- High Voltage in a small space

Applications:

- Power conditioning
- Short term UPS
- Ride though power/voltage hold up
- Long life

Markets:

- Industrial
- Critical systems
- Hospitals
- Silicon production

Markings:

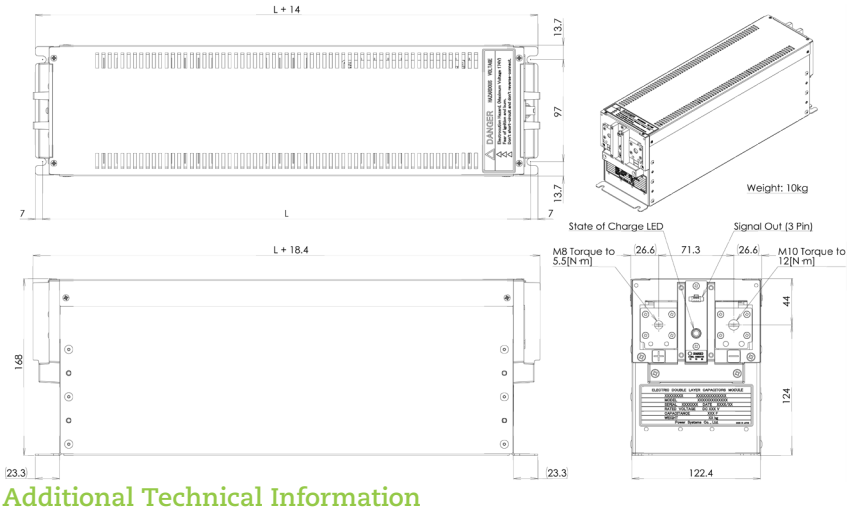
Products are marked with the following:

Rated capacitance, rated voltage, product number, name of manufacturer, positive and negative terminal marking.

Operating	
Voltage, Rated	2.7 V/Cell
Voltage, Surge	2.85 V/Cell
Capacitance Tolerance	+10% / -0%
Temperature	
Range, Operational	0°C to 50°C (At Rated Current)
Range, Storage	-25°C to 60°C
Life	
DC	10 years, rated voltage, 25°C
	ΔC<20% decrease, ESR<100% increase
Endurance	1000 hrs, rated voltage, 70°C
	ΔC<20% decrease, ESR<100% increase
Shelf	1000 hrs, no voltage, 70°C
	ΔC<20% decrease, ESR<100% increase
Cycle	>500,000 cycles, Rated to half rated voltage, 25°C
	ΔC,20% decrease, ESR, 100% increase
Standards Compliance	RoHS

Product Specifications

Part Number	iMOD108V011P3U-12A	iMOD189V003P3U-02A	iMOD216V002P3U-11A
Electrical			
Capacitance (F)	11.4	3	2
ESR, DC ≤(mΩ) [3ms]	16	103	89
Overvoltage Monitor	Yes	Yes	No
Voltage Rated (V)	108	189	216
Peak Voltage	114	200	228
Cycling			
Current, Peak [1s] (A)	520	217	183
Continuous Current (A)*	32	13	35
Current, Short Circuit (A)	6700	1800	2400
Management			
Balancing Method	Passive	Passive	Passive
Energy/Power			
E_{max} (Whr)	18	15	13
E_{max} (Whr/kg)	1.8	2.1	1.3
E_{max} (Whr/L)	2.0	2.2	1.0
P_{max} (kW/kg)	18.2	12.4	13.1
P_{max} (kW/L)	20.0	12.8	10.6
P_d (kW/kg)	8.7	5.9	6.3
Physical			
W (mm) [max]	125	125	182
L (mm) hole center to H.C.	410	307	337
H (mm)	179	177	202
Mass (kg)	10	7	10
Volume (L)	9.1	7	12.4



Additional Technical Information

Product specification test methods available in separate document.

*Rated current = continuous current with 20°C temperature rise.

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