



## 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 through 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
	$\Delta C < 20\%$ decrease, ESR < 100% increase
Endurance	1000 hrs, rated voltage, 70°C
	$\Delta C < 20\%$ decrease, ESR < 100% increase
Shelf	1000 hrs, no voltage, 70°C
	$\Delta C < 20\%$ decrease, ESR < 100% increase
Cycle	>500,000 cycles, Rated to half rated voltage, 25°C
	$\Delta C, 20\%$ 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 $\leq$ (m $\Omega$ ) [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

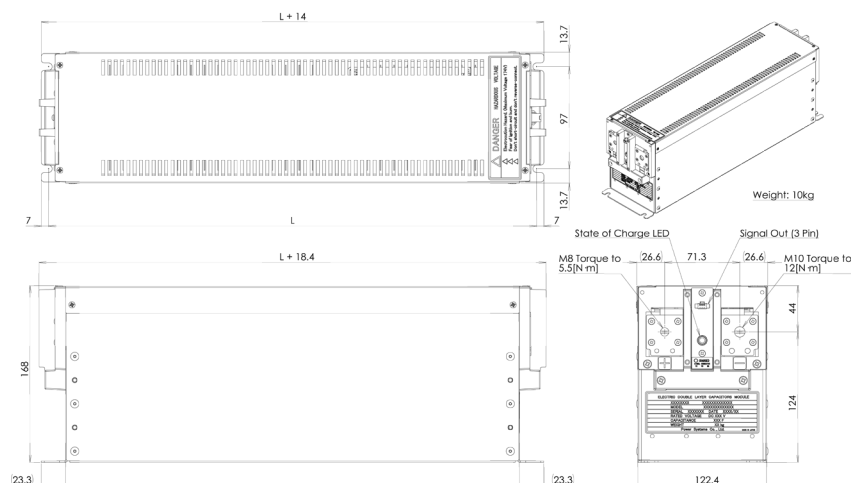
Balancing Method	Passive	Passive	Passive
------------------	---------	---------	---------

### 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.



18 Stadium Circle, Oneonta, NY 13820, USA

Toll Free: +1.877.751.4222

607.441.3500 | Fax: 607.433.9014

[www.ioxus.com](http://www.ioxus.com) | [info@ioxus.com](mailto:info@ioxus.com)

© 2012 Ioxus, Inc. | 121008

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Supercapacitors](#) / [Ultracapacitors](#) category:*

*Click to view products by [Ioxus](#) manufacturer:*

Other Similar products are found below :

[C-TEC1225 P](#) [LX055105A](#) [SCCY73B407SLBLE](#) [CDCL3000C0-002R85STB](#) [MDCM0058C0-0016R0TBZ](#) [FE0H473ZF](#) [MAL223551012E3](#)  
[MAL223551014E3](#) [MAL223551015E3](#) [MAL223551016E3](#) [MAL223551006E3](#) [MAL223551007E3](#) [MAL223551001E3](#) [MAL223551008E3](#)  
[MAL219612474E3](#) [MAL219632473E3](#) [DRE10/2.5](#) [DRL106S0TI25RRDAP](#) [DRL226S0TK25RR](#) [106DCN2R7M](#) [SCCT30B156SRB](#)  
[SCMR14C474MSBA0](#) [SCMR22C155MSBA0](#) [FT0H225ZF](#) [GW209F](#) [TV1020-3R0605-R](#) [SCCX50B207VSB](#) [PAS0815LS2R5105](#)  
[HVZ0E475NF](#) [SCMR18F105PSBA0](#) [FT0H565ZF](#) [FE0H224ZF](#) [FCS0H473ZFTBR24](#) [SCCT30E156SRB](#) [MAL222090006E3](#)  
[SCCY68B407SSBLE](#) [CPH3225A-2K](#) [SCMT22C505PRBA0](#) [207DCN2R7M](#) [DB5U307W35050HA](#) [DB5U407W35060HA](#) [DGH505Q5R5](#)  
[DGH505Q2R7](#) [DGH705Q2R7](#) [DGH506Q2R7](#) [DGH357Q2R7](#) [DGH335Q2R7](#) [DGH256Q2R7](#) [DGH255Q5R5](#) [DGH207Q2R7](#)