

ARTESYN IHP MODULES

For iHP Liquid Cooled /
iHP Air Cooled Series



Advanced Energy's iHP Modules support iHP Liquid Cooled and iHP Air Cooled series. Please see below table for iHP module details.

Parameter								
MODULE CODE	SL	SQ	ST	SW	S8	S1	SA	S2
# Outputs	1	1	1	1	1	1	1	1
Nominal O/P (V)	12.0 V	24.0 V	32.0 V	48.0 V	80.0 V	125.0 V	200.0 V	250.0 V
Max Power (W)	2400 W	2880 W	2880 W	3000 W	3000 W	3000 W	3000 W	3000 W
O/P Current Range (A)	0.0 A - 200 A	0.0 A - 120 A	0.0 A - 90 A	0.0 A - 62.5 A	0.0 A - 37.5 A	0.0 A -24 A	0.0 A - 15.0 A	0.0 A -12 A
Power Density (W/cu-in)	32.5	39.0	39.0	40.6	40.6	40.6	39	40.6
Module Input Voltage	400 V							
Module Operating Temp	-0 °C to +65 °C; Baseplate Temp TBD							
Series Operation	250 V modules can be connected in series up to 800 V for Medical and 1000 V for ITE							
Parallel Operation	Up to 8 modules can be paralleled in 1 rack, with up to 6 racks connected in parallel. Single Wire Parallel connection will be provided as part of configuration							
Parameter								
MODULE CODE	TW				T3			
# Outputs	1				1			
Nominal O/P (V)	50 V				300 V			
Max Power (W)	12000 W				12000 W			
O/P Current Range (A)	0 - 270 A				0 - 50 A			
Power Density (W/cu-in)	TBA				TBA			
Module Input Voltage	395V ± 5V							
Module Operating Temp	0°C to +65°C							
Series Operation	No series operation offering							
Parallel Operation	Up to two (2) modules can be paralleled in one (1) rack, with up to six (6) racks connected in parallel. Single Wire Parallel connection will be provided as part of configuration.							

Complete product specification please refer to below datasheet link:

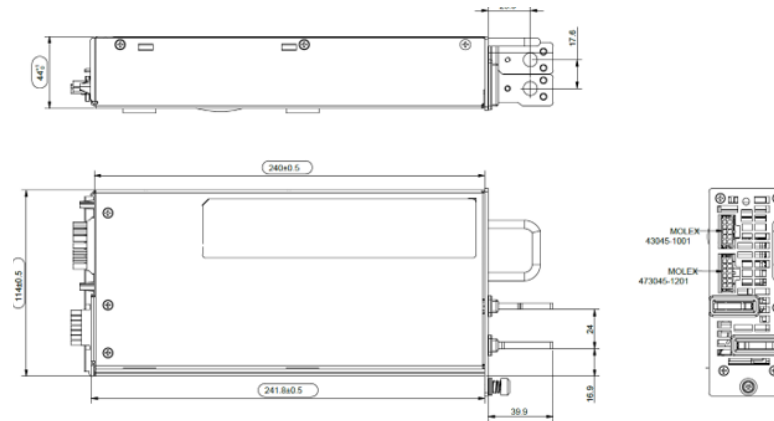
iHP Liquid Cooled series <https://www.advancedenergy.com/getmedia/b7fa9710-8aaa-4d00-94d7-102afd8a0715/ENG-iHP-Liquid-Cooled-235-01-09-27-23.pdf>

iHP Air Cooled series https://www.advancedenergy.com/getmedia/0dc938c5-1b6a-4ea3-8fad-8c5f9c274470/ihp_ds_1582505600.pdf

MECHANICAL SPECIFICATIONS

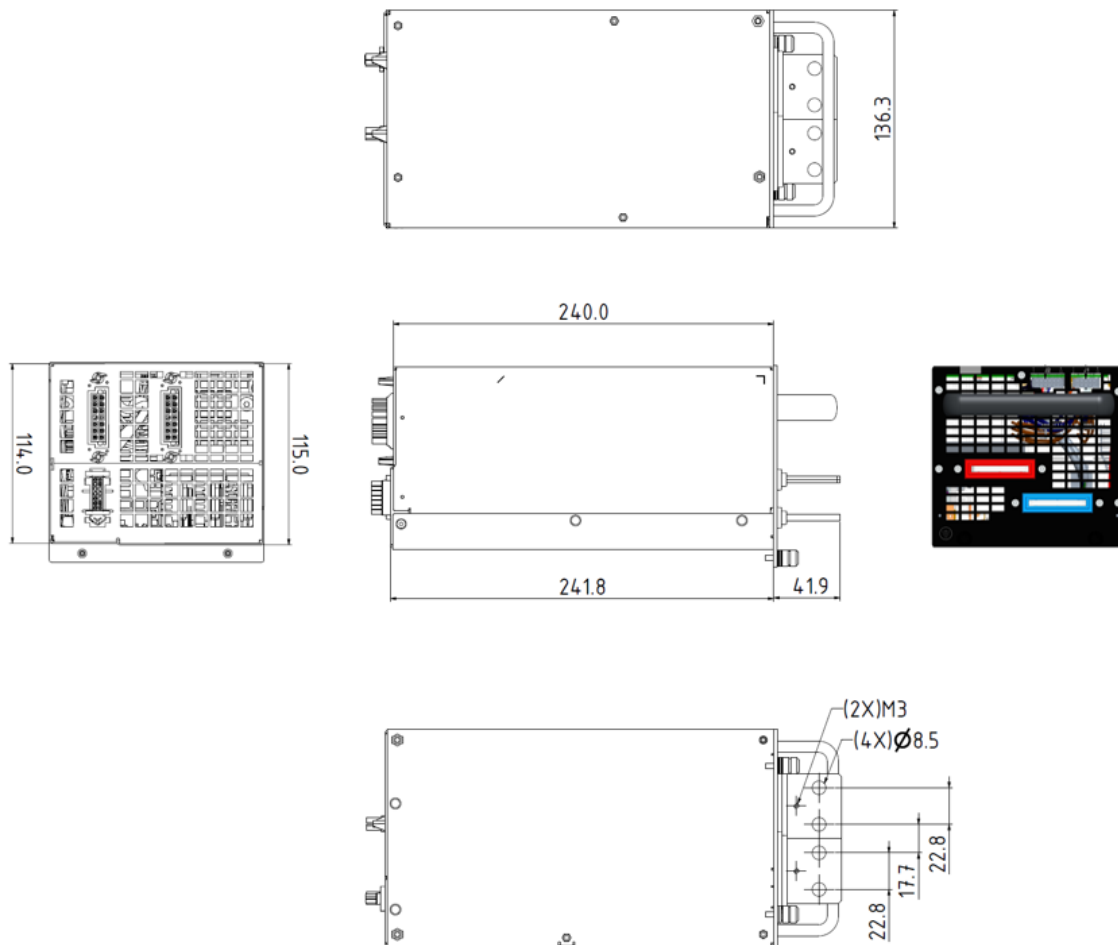
iHP Module Mechanical Outlines - 3000W (unit: mm)

Weight: 3000W Single O/P module, 2.2Kg for 12V module; 2.0Kg for other modules



iHP Module Mechanical Outlines - 12000W (unit: mm)

Weight: 12000W Single O/P module, 5.95Kg for 12 kW modules





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ABOUT ADVANCED ENERGY

Advanced Energy (AE) has devoted more than four decades to perfecting power for its global customers. AE designs and manufactures highly engineered, precision power conversion, measurement and control solutions for mission-critical applications and processes.

Our products enable customer innovation in complex applications for a wide range of industries including semiconductor equipment, industrial, manufacturing, telecommunications, data center computing, and medical. With deep applications know-how and responsive service and support across the globe, we build collaborative partnerships to meet rapid technological developments, propel growth for our customers, and innovate the future of power.

PRECISION | POWER | PERFORMANCE | TRUST

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