



IIS Central Inverters for 2-Hour Operation



TECH BRIEF

The purpose of this Tech Brief is to help...

- Identify IIS Central Inverter models for 120 minute runtime applications.
- Discuss size/weight considerations that come with extending IIS Central Inverter runtime.

Select IIS single-phase and IIS3P three-phase central inverter systems may be configured to provide 120 minutes of emergency egress power. These models may be indicated by selecting the “120M” option when ordering.

To accommodate the additional battery capacity requirements, 120 minute runtime IIS Central Inverters will have different weight and size specifications than their 90 minute counterparts. See the tables below for weights and dimensions for IIS 120M and IIS3P 120M models:

IIS Single Phase Models for 120 Minute Runtime

Inverter Model	Output Rating for 120 Minute Runtime	Dimensions	Electronics Cabinet Weight	# of Batteries	Battery Weight	Total Weight
IIS 1500 * 120M	1500 VA	30" x 47" x 25"	230 lbs	6	444 lbs	674 lbs
IIS 2250 * 120M	2250 VA	30" x 47" x 25"	235 lbs	8	592 lbs	827 lbs
IIS 3000 * 120M	3000 VA	30" x 47" x 25"	240 lbs	10	740 lbs	980 lbs
IIS 3750 * 120M	3750 VA	30" x 47" x 25"	280 lbs	12	888 lbs	1168 lbs
IIS 5000 * 120M	5000 VA	30" x 47" x 25"	605 lbs	15	1110 lbs	1715 lbs
IIS 6000 * 120M	6000 VA	44" x 72" x 31"	640 lbs	20	1480 lbs	2120 lbs
IIS 8000 * 120M	8000 VA	44" x 72" x 31"	785 lbs	24	1776 lbs	2561 lbs
IIS 10000 * 120M	10000 VA	44" x 72" x 31"	805 lbs	30	2220 lbs	3025 lbs
IIS 12500 * 120M	12500 VA	44" x 72" x 31"	885 lbs	40	2960 lbs	3845 lbs

*Input Voltage, Output Voltage, and Transfer Time, must be specified when ordering. See product specification sheet.

IIS Three Phase Models for 120 Minute Runtime

Inverter Model	Output Rating for 120 Minute Runtime	Electronics Enclosure			Battery Cabinet			Total Weight
		Dimensions	Weight	Dimensions	# of Bat. Cabinets	# of Batteries	Battery & Cabinet Weight	
IIS3P 4800 * 120M	4800 VA	30" x 47" x 25"	535 lbs	30" x 47" x 25"	1	15	1320 lbs	1855 lbs
IIS3P 6000 * 120M	6000 VA	30" x 47" x 25"	535 lbs	30" x 47" x 25"	1	20	1712 lbs	2247 lbs
IIS3P 8000 * 120M	8000 VA	30" x 47" x 25"	639 lbs	30" x 47" x 25"	1	24	2008 lbs	2647 lbs
IIS3P 10000 * 120M	10000 VA	30" x 47" x 25"	639 lbs	30" x 47" x 25"	2	30	2640 lbs	3279 lbs
IIS3P 12500 * 120M	12500 VA	30" x 47" x 25"	639 lbs	30" x 47" x 25"	2	40	3424 lbs	4063 lbs
IIS3P 16700 * 120M	16700 VA	44" x 72" x 31"	1250 lbs	48" x 72" x 31"	1	60	5140 lbs	6390 lbs
IIS3P 24000 * 120M	24000 VA	44" x 72" x 31"	1250 lbs	48" x 72" x 31"	2	80	7380 lbs	8630 lbs
IIS3P 33000 * 120M	33000 VA	44" x 72" x 31"	1450 lbs	48" x 72" x 31"	2	100	8700 lbs	10,150 lbs
IIS3P 40000 * 120M	40000 VA	44" x 72" x 31"	1460 lbs	48" x 72" x 31"	2	60	10,520 lbs	11,980 lbs

*Input and Output Voltage must be specified when ordering. See product specification sheet.

