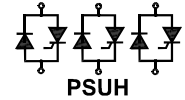


AC Controller Modules



released, E 148688



Three Phase AC Controller Modules, W3H

| Type | V_{RRM} | I_{TAV} T_C 85°C | I_{RMS} T_C 85°C | I_{TSM} 45°C 10ms | V_{TO} | r_T | T_{VJM} | R_{thJC} Chip | R_{thJH} Chip | Figure | Package style see outlines starting at page 86 |
|--|-------------------------------------|----------------------------|----------------------------|---------------------------|----------|-------|-----------|--------------------|--------------------|--------|--|
| | V | A | A | A | V | mΩ | °C | Module K/W | Module K/W | | |
| PSUH 35/08 PSUH 35/12 | 800 1200 | 16 | 3x35 | 200 | 0.85 | 27 | 125 | 1.3 0.217 | 1.8 0.3 | 40 | Fig. 40 Weight = 16 g |
| PSUH 36/08 PSUH 36/12 PSUH 36/14 PSUH 36/16 | 800 1200 1400 1600 | 18 | 3x39 | 320 | 0.85 | 13 | 125 | 1.3 0.217 | 1.5 0.25 | 42 | |
| PSUH 40/08 PSUH 40/12 PSUH 40/14 PSUH 40/16 | 800 1200 1400 1600 | 18 | 3x40 | 400 | 0.85 | 15 | 125 | 1.43 0.238 | 1.53 0.255 | 7 | Fig. 42 Weight = 100 g |
| PSUH 45/08* PSUH 45/12* PSUH 45/14* PSUH 45/16* | 800 1200 1400 1600 | 20 | 3x44 | 320 | 0.85 | 13 | 125 | 1.3 0.217 | 1.5 0.25 | 76 | |
| PSUH 50/08 PSUH 50/12 PSUH 50/14 PSUH 50/16 | 800 1200 1400 1600 | 23 | 3x50 | 520 | 0.85 | 11 | 125 | 1.20 0.20 | 1.31 0.218 | 7 | Fig. 7 Weight = 220 g |
| PSUH 60/08 PSUH 60/12 PSUH 60/14 PSUH 60/16 | 800 1200 1400 1600 | 27 | 3x60 | 550 | 0.85 | 11 | 125 | 0.9 0.15 | 1.1 0.183 | 42 | |
| PSUH 65/08* PSUH 65/12* PSUH 65/14* PSUH 65/16* | 800 1200 1400 1600 | 30 | 3x65 | 550 | 0.85 | 11 | 125 | 0.8 0.133 | 1.1 0.183 | 76 | Fig. 43 Weight = 290 g |
| PSUH 80/08 PSUH 80/12 PSUH 80/14 | 800 1200 1400 | 37 | 3x82 | 1000 | 0.85 | 5.2 | 125 | 0.81 0.135 | 1.0 0.167 | 7 | |
| PSUH 85/08* PSUH 85/12* | 800 1200 | 37 | 3x82 | 1000 | 0.85 | 5.0 | 125 | 0.8 0.133 | 0.9 0.15 | 76 | Fig. 43 Weight = 290 g |
| PSUH 90/08* PSUH 90/12* PSUH 90/14* PSUH 90/16* PSUH 90/18* | 800 1200 1400 1600 1800 | 40 | 3x90 | 1000 | 0.85 | 5.0 | 125 | 0.73 0.122 | 0.82 0.137 | 75 | |
| PSUH 95/08 PSUH 95/12 PSUH 95/14 | 800 1200 1400 | 44 | 3x96 | 1150 | 0.85 | 4.8 | 125 | 0.66 0.11 | 0.93 0.155 | 7 | Fig. 76 |
| PSUH 115/08 PSUH 115/12 PSUH 115/14 PSUH 115/16 | 800 1200 1400 1600 | 53 | 3x115 | 900 | 0.95 | 4.3 | 125 | 0.5 0.083 | 0.7 0.12 | 43 | |
| PSUH 130/08* PSUH 130/12* PSUH 130/14* PSUH 130/16* PSUH 130/18* | 800 1200 1400 1600 1800 | 55 | 3x120 | 1300 | 0.8 | 3.9 | 125 | 0.55 0.092 | 0.7 0.117 | 75 | Fig. 75 |
| PSUH 230/08* PSUH 230/12* PSUH 230/14* PSUH 230/16* PSUH 230/18* | 800 1200 1400 1600 1800 | 90 | 3x200 | 2250 | 0.85 | 2.5 | 125 | 0.3 0.05 | 0.49 0.082 | | |

ECO-PAC™ 1

Fig. 42
Weight = 100 g



Fig. 7
Weight = 220 g



Fig. 43
Weight = 290 g

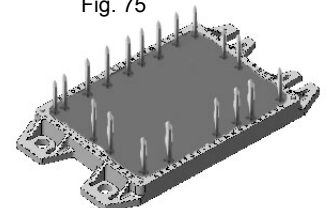


Fig. 76



ECO-PAC™ 3

Fig. 75



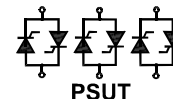
ECO-TOP™ 1

* UL release applied

AC Controller Modules



released, E 148688



Three Phase AC Controller Modules, W3C

| Type | V_{RRM} | I_{TAV} T_C 85°C | I_{RMS} T_C 85°C | I_{TSM} 25°C 10ms | V_{TO} | r_T | T_{VJM} | R_{thJC} Chip | R_{thJH} Chip | Figure | Package style see outlines starting at page 86 |
|--|-------------------------------------|----------------------------|----------------------------|---------------------------|----------|-------|-----------|------------------------|------------------------|--------|--|
| | V | A | A | A | V | mΩ | °C | Module K/W | Module K/W | | |
| PSUT 35/08 PSUT 35/12 | 800 1200 | 16 | 3x35 | 200 | 0.85 | 27 | 125 | 1.3 ----- 0.217 | 1.8 ----- 0.3 | 41 | Fig. 41 Weight = 16  |
| PSUT 36/08 PSUT 36/12 PSUT 36/14 PSUT 36/16 | 800 1200 1400 1600 | 18 | 3x39 | 320 | 0.85 | 13 | 125 | 1.3 ----- 0.217 | 1.5 ----- 0.25 | 42 | |
| PSUT 40/08 PSUT 40/12 PSUT 40/14 PSUT 40/16 | 800 1200 1400 1600 | 18 | 3x40 | 400 | 0.85 | 15 | 125 | 1.43 ----- 0.238 | 1.53 ----- 0.255 | 7 | ECO-PAC™ 1 Fig. 42 Weight = 100 g  |
| PSUT 45/08* PSUT 45/12* PSUT 45/14* PSUT 45/16* | 800 1200 1400 1600 | 20 | 3x44 | 320 | 0.85 | 13 | 125 | 1.3 ----- 0.217 | 1.5 ----- 0.25 | 76 | |
| PSUT 50/08 PSUT 50/12 PSUT 50/14 PSUT 50/16 | 800 1200 1400 1600 | 23 | 3x50 | 520 | 0.85 | 11 | 125 | 1.20 ----- 0.20 | 1.31 ----- 0.218 | 7 | Fig. 7 Weight = 220 g  |
| PSUT 60/08 PSUT 60/12 PSUT 60/14 PSUT 60/16 | 800 1200 1400 1600 | 27 | 3x60 | 550 | 0.85 | 11 | 125 | 0.9 ----- 0.15 | 1.1 ----- 0.183 | 42 | |
| PSUT 65/08* PSUT 65/12* PSUT 65/14* PSUT 65/16* | 800 1200 1400 1600 | 30 | 3x65 | 550 | 0.85 | 11 | 125 | 0.8 ----- 0.133 | 1.1 ----- 0.183 | 76 | Fig. 43 Weight = 290 g  |
| PSUT 80/08 PSUT 80/12 PSUT 80/14 | 800 1200 1400 | 37 | 3x82 | 1000 | 0.85 | 5.2 | 125 | 0.81 ----- 0.135 | 1.0 ----- 0.167 | 7 | |
| PSUT 85/08* PSUT 85/12* | 800 1200 | 37 | 3x82 | 1000 | 0.85 | 5.0 | 125 | 0.8 ----- 0.133 | 0.9 ----- 0.15 | 76 | Fig. 43 Weight = 290 g  |
| PSUT 90/08* PSUT 90/12* PSUT 90/14* PSUT 90/16* PSUT 90/18* | 800 1200 1400 1600 1800 | 40 | 3x90 | 1000 | 0.85 | 5.0 | 125 | 0.73 ----- 0.122 | 0.82 ----- 0.137 | 75 | |
| PSUT 95/08 PSUT 95/12 PSUT 95/14 | 800 1200 1400 | 44 | 3x96 | 1150 | 0.85 | 4.8 | 125 | 0.66 ----- 0.11 | 0.93 ----- 0.155 | 7 | Fig. 76  |
| PSUT 115/08 PSUT 115/12 PSUT 115/14 PSUT 115/16 | 800 1200 1400 1600 | 53 | 3x115 | 900 | 0.95 | 4.3 | 125 | 0.5 ----- 0.083 | 0.7 ----- 0.12 | 43 | |
| PSUT 130/08* PSUT 130/12* PSUT 130/14* PSUT 130/16* PSUT 130/18* | 800 1200 1400 1600 1800 | 55 | 3x120 | 1300 | 0.8 | 3.9 | 125 | 0.55 ----- 0.092 | 0.7 ----- 0.117 | 75 | ECO-PAC™ 3 Fig. 75  |
| PSUT 145/08 PSUT 145/12 PSUT 145/14 PSUT 145/16 | 800 1200 1400 1600 | 67 | 3x145 | 1250 | 0.95 | 3.2 | 125 | 0.42 ----- 0.07 | 0.62 ----- 0.11 | 43 | |
| PSUT 230/08* PSUT 230/12* PSUT 230/14* PSUT 230/16* PSUT 230/18* | 800 1200 1400 1600 1800 | 90 | 3x200 | 2250 | 0.85 | 2.5 | 125 | 0.3 ----- 0.05 | 0.49 ----- 0.082 | 75 | ECO-TOP™ 1  |

* UL release applied