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|----------------------------|-------------------------------------|------------|
| Input Specs | Rated input voltage | 120-277Vac |
| | Range input voltage | 108-305Vac |
| | Input current | <1.1A |
| | Input frequency | 50/60Hz |
| | Input frequency range | 47-63Hz |
| | Turn on delay time | ≤500ms |
| | No-load power consumption | ≤1.5W |
| | Stand-by power consumption | ≤1W |
| | Inrush current | <60A |
| | Power factor(@70%Load to Full load) | ≥0.9 |
| THD(@70%Load to Full load) | ≤15% | |

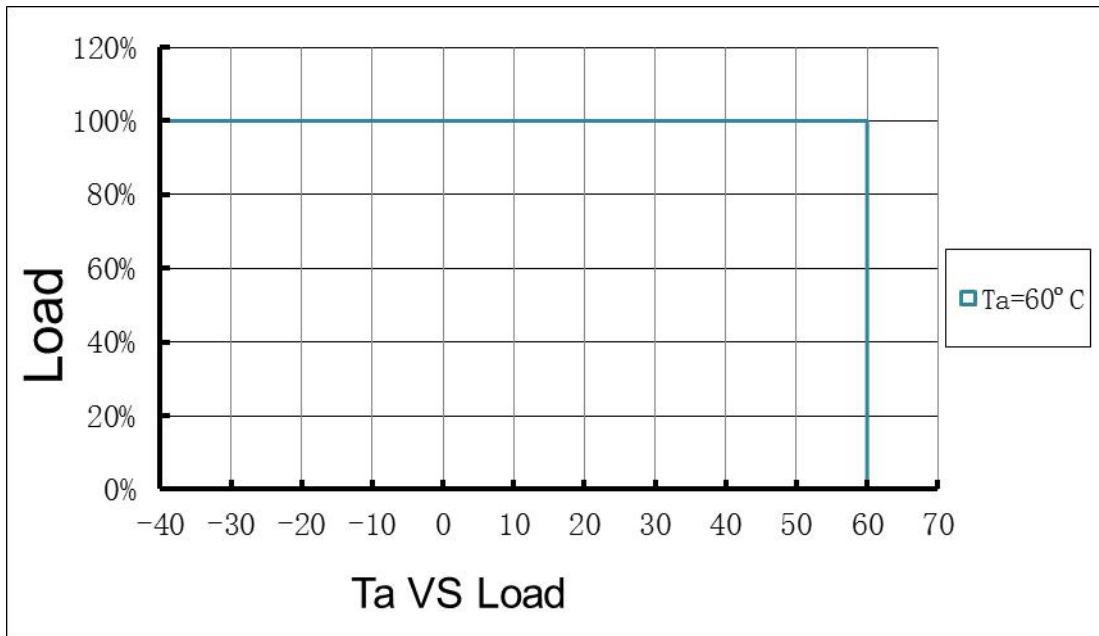
| Model Number | Output Voltage Range | Rated Current | OVP | Output Power(Rated) | Efficiency (Full Load) | | Output Ripple(Peak to Peak) |
|--------------------|----------------------|---------------|-----|---------------------|------------------------|---------|-----------------------------|
| | | | | | @120Vac | @277Vac | |
| WP-HHA-100U0521850 | 35-52 | 1850 | 63 | 96.2 | ≥88 | ≥89 | <4V |

Environmental

| | | |
|-----------------------|-------------------------|--|
| Safety&EMC | Safety Standards | UL8750/CAN/CSA-C22.2 NO. 250.13 |
| | EMC | EN55015 and FCC part 15 class B. |
| Hi-Pot | I/P-O/P | 1.6KVac,5mA,60S; |
| | I/P-FG | 1.5KVac,5mA,60S; |
| | O/P-FG | 1.5KVac,5mA,60S; |
| lightning surge | ICE61000-4-5 | L-N :4KV L&N-PE:6KV |
| Insulation Resistance | I/P-O/P; O/P-FG; I/P-FG | 100Mohm/500Vdc |
| Leakage current | 277Vac input / 277V | <1.6mA |
| Environmental | MTBF | 200,000 hours at 25°C ambient temperature |
| | Operation temperature | -40 °C to 60 °C |
| | Humidity | 10% to 90% |
| | Storage temperature | -40°C to 85°C |
| | Protection Class | IP65 |
| | Environment rating | RoHS |
| | Case Size(L*W*H) | L*W*H: 9.45" * 1.7" * 1.18" |

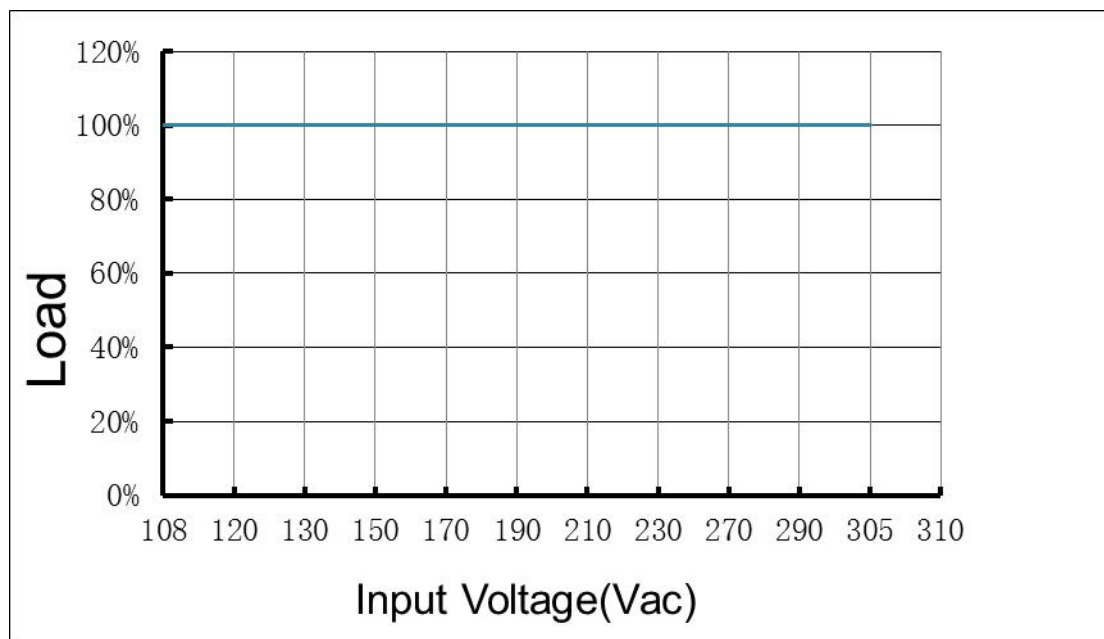
Derating curve

| | -40° C | -25° C | 0° C | 25° C | 45° C | 60° C |
|------|--------|--------|------|-------|-------|-------|
| 120V | 100% | 100% | 00% | 100% | 100% | 100% |
| 277V | 100% | 100% | 100% | 100% | 100% | 100% |

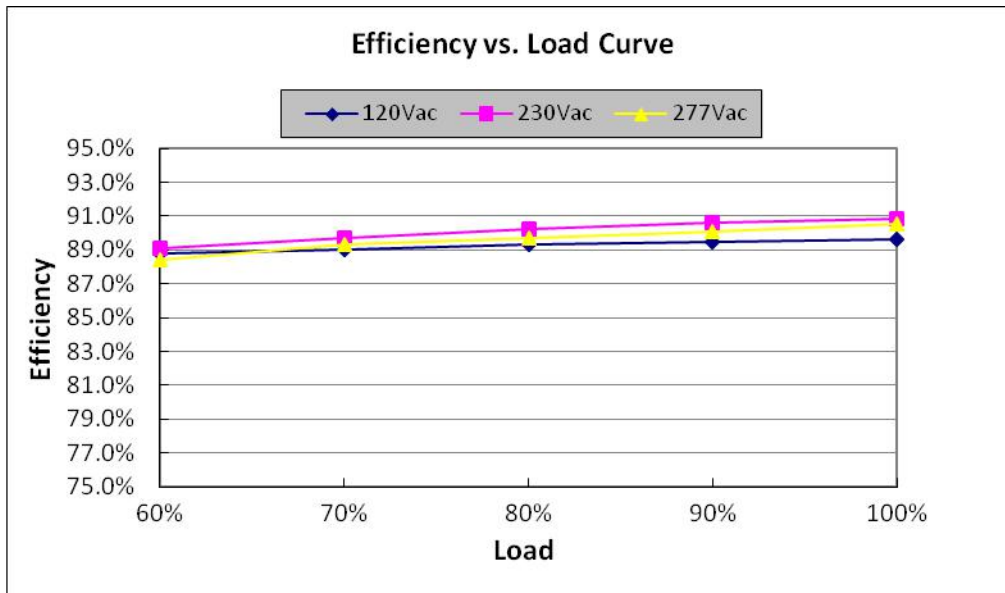


Static characteristics

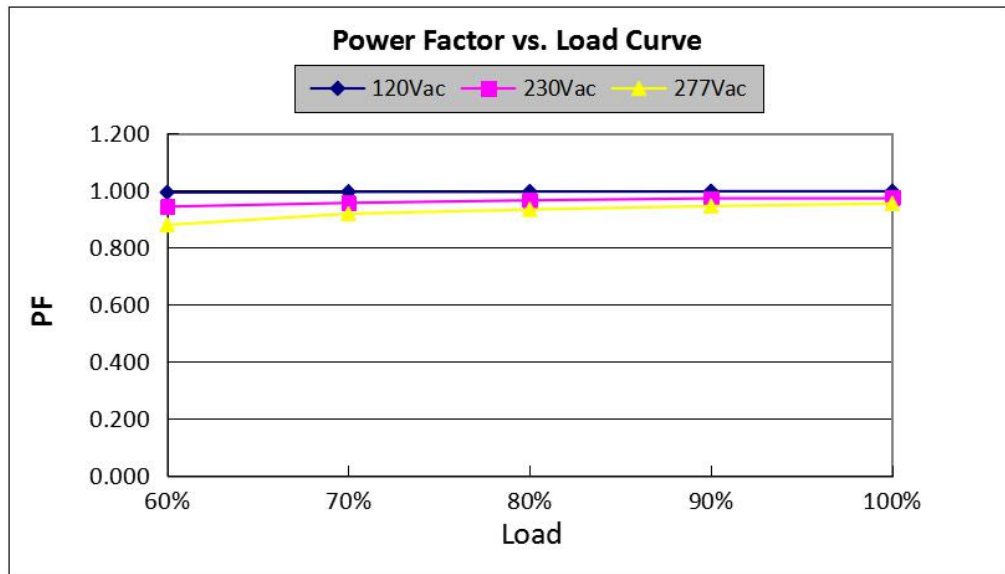
| 108Vac | 120V | 220V | 240V | 277V | 305V |
|--------|------|------|------|------|------|
| 100% | 100% | 100% | 100% | 100% | 100% |



Efficiency VS Load Curve

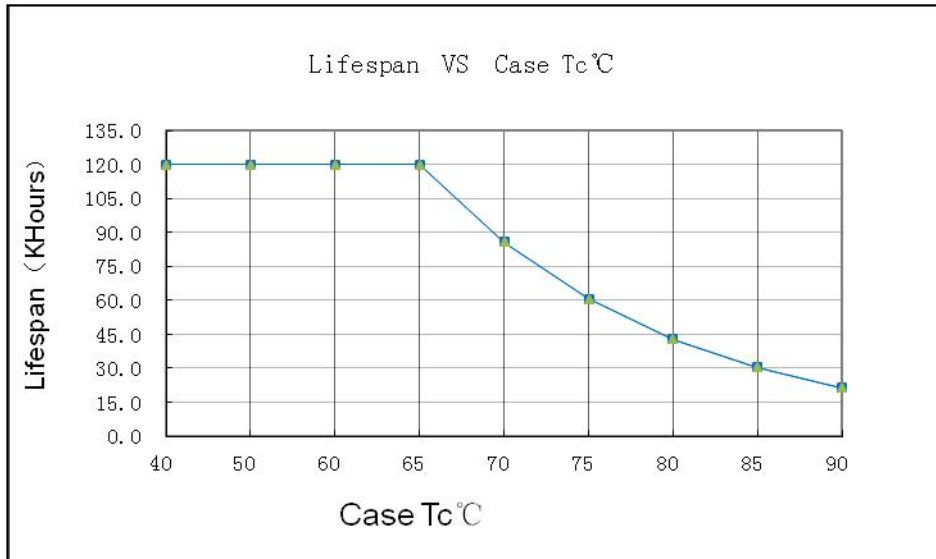


Power Factor vs. Load Curve



Product life reference diagram

| | | | | | | | | |
|------------------|------|------|------|------|------|------|------|------|
| Case Temperature | 50°C | 60°C | 65°C | 70°C | 75°C | 80°C | 85°C | 90°C |
| Lifespan | 120 | 120 | 120 | 85.7 | 60.6 | 42.8 | 30.3 | 21.4 |



Dimming function

0-10V Dimming/0-10V; 10-100% dimming scope 10-100%

| | | | | | | | | | | | | |
|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|----------|
| Dimming Voltage (V) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | OPEN |
| Percentage of rated current | 10% | 10% | 20% | 33% | 46% | 58% | 71% | 84% | 97% | 100% | 100% | 95%-105% |