

POLARIS PSS - EN50171

CPSS for energizing safety equipment in compliance with EN50171

| MODEL POWER | POLARIS10PSS 10KVA/9KW | POLARIS15PSS 15KVA/13,5KW | POLARIS20PSS 20KVA/18KW |
|----------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------|
| POWER according to EN50171 | 7,5KW | 11,3KW | 15KW |
| Input Voltage | Three-phase + N Vac 380-400-415 | | |
| Frequency | 45 - 60 Hz (auto sensing) | | |
| Power Factor | 0,99 | | |
| THDi | < 2% | | |
| Output Voltage | Three-phase + N 380-400-415 Vac | | |
| Frequency | 45 - 60 Hz (+/- 0,1%) | | |
| THDv | < 1% (linear load) - <3% (non linear load) | | |
| Efficiency | > 96,5% | > 97,5% | > 97,5% |
| Battery | Dynamic 16pcs - 18pcs. - 20pcs. (configurable) | | |
| Autonomy | 60 / 120 / 180 min | | |
| Switching time | according to EN50171 | | |
| Overload | Normal op.: 110% 60' - 125% 10' - 150% 1' - >150% switch to bypass | | |
| Self testing | Automatic self test at switch on | | |
| Display | LCD: Voltage IN/OUT - Frequency IN/OUT - Load - Battery Voltage Operating Temp. - Overload - Failure - Alarms | | |
| Interface | USB - RS485 - Clean Contacts - Intelligent slot | | |
| Communication | SNMP (optional) - MODBUS (optional) - RELAY card (optional) | | |
| Operating temperature | Operating: 0° + 40° / Storage: -25° + 55° | | |
| Dimensions (WxHxD) | 250x868x828 mm | 250x868x828 mm | 250x868x828 mm |
| Number of Units | 1 | 1 | 1 |
| Standards | EN/IEC 60950-1 | EN/IEC 62040-1 | EN/IEC 62040-2 |
| | | | EN/IEC 62040-3 EN 50171 |

| MODEL POWER | POLARIS30PSS 30KVA/27KW | POLARIS40PSS 40KVA/36KW | POLARIS60PSS 60KVA/54KW |
|----------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|
| POWER according to EN50171 | 22,5KW | 30KW | 45KW |
| Input Voltage | Three-phase + N Vac 380-400-415 | | |
| Frequency | 45 - 60 Hz (auto sensing) | | |
| Power Factor | 0,99 | | |
| THDi | < 2% | | |
| Output Voltage | Three-phase + N 380-400-415 Vac | | |
| Frequency | 45 - 60 Hz (+/- 0,1%) | | |
| THDv | < 1% (linear load) - <3% (non linear load) | | |
| Efficiency | > 97,5% | > 97,5% | > 97,5% |
| Battery | Dynamic 16/18/20pcs | Dynamic 32/34/36/38/40pcs | Dynamic 16/18/20pcs |
| Autonomy | 60 / 120 / 180 min | | |
| Switching time | according to EN50171 | | |
| Overload | Automatic self test at switch on | | |
| Self testing | Automatic self test at switch on | | |
| Display | LCD: Voltage IN/OUT - Frequency IN/OUT - Load - Battery Voltage Operating Temp. - Overload - Failure - Alarms | | |
| Interface | USB - RS485 - Clean Contacts - Intelligent slot | | |
| Communication | SNMP (optional) - MODBUS (optional) - RELAY card (optional) | | |
| Operating temperature | Operating: 0° + 40° / Storage: -25° + 55° | | |
| Dimensions (WxHxD) | 250x868x828 mm | 250x868x828 mm | 250x868x828 mm |
| Number of Units | 1 | 1 | 1 |
| Standards | EN/IEC 60950-1 | EN/IEC 62040-1 | EN/IEC 62040-2 |
| | | | EN/IEC 62040-3 EN 50171 |

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| MODEL POWER | POLARIS80PSS 80KVA/72KW | POLARIS100PSS 100KVA/81KW | POLARIS120PSS 120KVA/108KW |
|----------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------|
| POWER according to EN50171 | 60KW | 75KW | 90KW |
| Input Voltage | Three-phase + N 380-400-415 Vac | | |
| Frequency | 45 - 60 Hz (auto sensing) | | |
| Power Factor | 0,99 | | |
| THDi | < 2% | | |
| Output Voltage | Three-phase + N 380-400-415 Vac | | |
| Frequency | 45 - 60 Hz (+/- 0,1%) | | |
| THDv | < 1% (linear load) - <3% (non linear load) | | |
| Efficiency | > 97,5% | > 97,5% | > 97,5% |
| Battery | Dynamic 32/34/36/38/40pcs | Dynamic 6/18/20pcs | Dynamic 32/34/36/38/40pcs |
| Autonomy | 60 / 120 / 180 min | | |
| Switching time | according to EN50171 | | |
| Overload | Normal op: 110% 60' - 125% 10' - 150% 1' - >150% switch to bypass | | |
| Self testing | Automatic self test at switch on | | |
| Display | LCD: Voltage IN/OUT - Frequency IN/OUT - Load - Battery Voltage Operating Temp. - Overload - Failure - Alarms | | |
| Interface | USB - RS485 - Clean Contacts- Intelligent slot | | |
| Communication | SNMP (optional) - MODBUS (optional) - RELAY card (optional) | | |
| Operating temperature | Operating: 0° + 40° / Storage: -25° + 55° | | |
| Dimensions (WxHxD) | 250x868x828 mm | 750x868x828 mm | 500x868x828 mm |
| Number of Units | 1 | 3 | 2 |
| Standards | EN/IEC 60950-1 | EN/IEC 62040-1 | EN/IEC 62040-2 |
| | | EN/IEC 62040-3 | EN 50171 |

| MODEL POWER | POLARIS160PSS 160KVA/144KW | POLARIS180PSS 180KVA/144KW | POLARIS200PSS 200KVA/160KW |
|----------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------|
| POWER according to EN50171 | 120KW | 135KW | 150KW |
| Input Voltage | Three-phase + N 380-400-415 Vac | | |
| Frequency | 45 - 60 Hz (auto sensing) | | |
| Power Factor | 0,99 | | |
| THDi | < 2% | | |
| Output Voltage | Three-phase + N 380-400-415 Vac | | |
| Frequency | 45 - 60 Hz (+/- 0,1%) | | |
| Power factor | 0,9 | 0,8 | 0,8 |
| THDv | < 1% (linear load) - <3% (non linear load) | | |
| Efficiency | > 97,5% | > 97,5% | > 97,5% |
| Battery | Dynamic 32/34/36/38/40pcs | | |
| Autonomy | 60 / 120 / 180 min | | |
| Switching time | according to EN50171 | | |
| Overload | Normal op: 110% 60' - 125% 10' - 150% 1' - >150% switch to bypass | | |
| Self testing | Automatic self test at switch on | | |
| Display | LCD: Voltage IN/OUT - Frequency IN/OUT - Load - Battery Voltage Operating Temp. - Overload - Failure - Alarms | | |
| Interface | USB - RS485 - Clean Contacts- Intelligent slot | | |
| Communication | SNMP (optional) - MODBUS (optional) - RELAY card (optional) | | |
| Operating temperature | Operating: 0° + 40° / Storage: -25° + 55° | | |
| Dimensions (WxHxD) | 500x868x828 mm | 750x868x828 mm | 750x868x828 mm |
| Number of Units | 2 | 3 | 3 |
| Standards | EN/IEC 60950-1 | EN/IEC 62040-1 | EN/IEC 62040-2 |
| | | EN/IEC 62040-3 | EN 50171 |