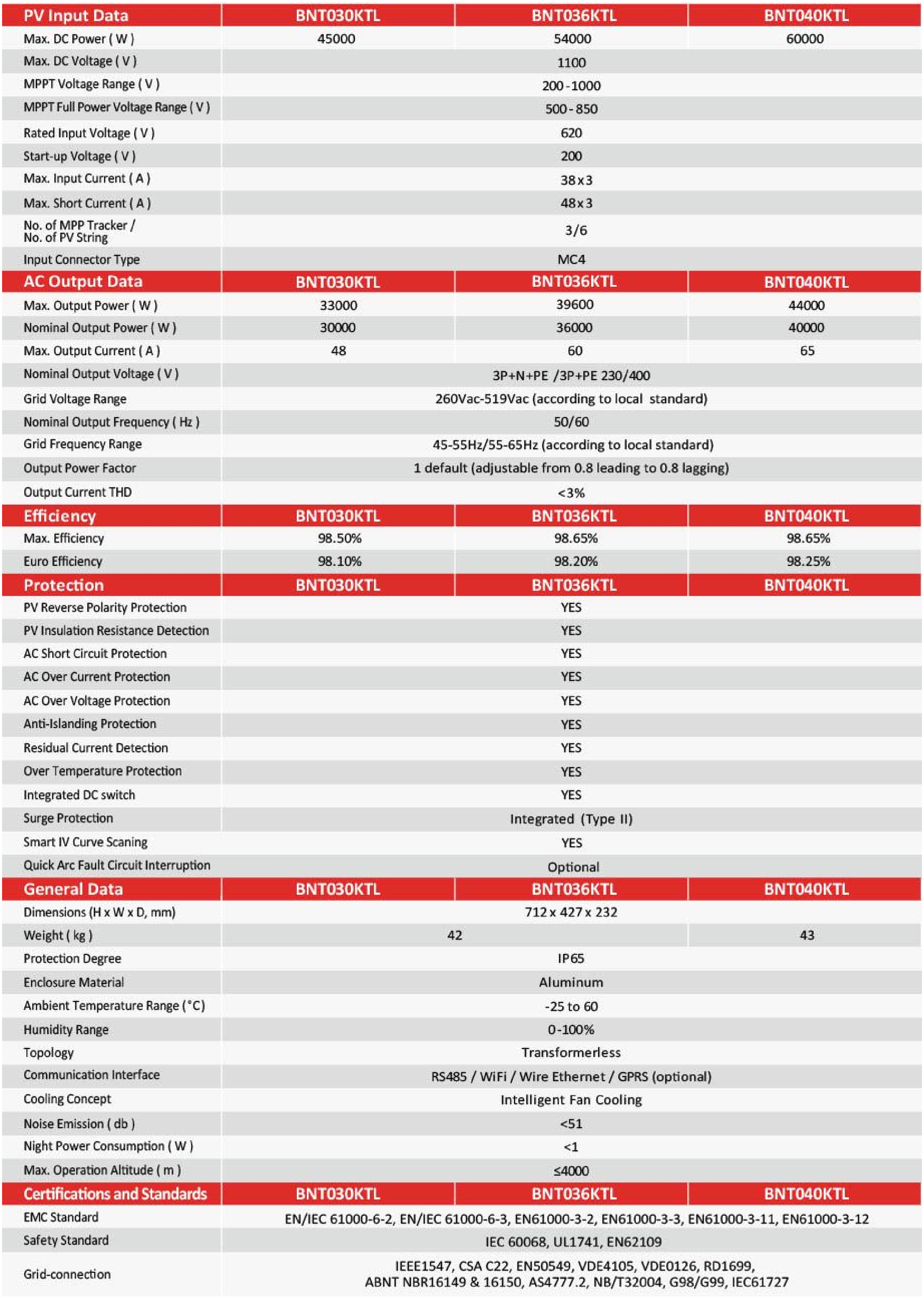

PV Input Data	**BNT030KTL**	**BNT036KTL**	**BNT040KTL**
Max. DC Power (W)	45000	54000	60000
Max. DC Voltage (V)	1100		
MPPT Voltage Range (V)	200 - 1000		
MPPT Full Power Voltage Range (V)	500 - 850		
Rated Input Voltage (V)	620		
Start-up Voltage (V)	200		
Max. Input Current (A)	38 x 3		
Max. Short Current (A)	48 x 3		
No. of MPP Tracker / No. of PV String	3/6		
Input Connector Type	MC4		
AC Output Data	**BNT030KTL**	**BNT036KTL**	**BNT040KTL**
Max. Output Power (W)	33000	39600	44000
Nominal Output Power (W)	30000	36000	40000
Max. Output Current (A)	48	60	65
Nominal Output Voltage (V)	3P+N+PE /3P+PE 230/400		
Grid Voltage Range	260Vac-519Vac (according to local standard)		
Nominal Output Frequency (Hz)	50/60		
Grid Frequency Range	45-55Hz/55-65Hz (according to local standard)		
Output Power Factor	1 default (adjustable from 0.8 leading to 0.8 lagging)		
Output Current THD	<3%		
Efficiency	**BNT030KTL**	**BNT036KTL**	**BNT040KTL**
Max. Efficiency	98.50%	98.65%	98.65%
Euro Efficiency	98.10%	98.20%	98.25%
Protection	**BNT030KTL**	**BNT036KTL**	**BNT040KTL**
PV Reverse Polarity Protection	YES		
PV Insulation Resistance Detection	YES		
AC Short Circuit Protection	YES		
AC Over Current Protection	YES		
AC Over Voltage Protection	YES		
Anti-Islanding Protection	YES		
Residual Current Detection	YES		
Over Temperature Protection	YES		
Integrated DC switch	YES		
Surge Protection	Integrated (Type II)		
Smart IV Curve Scaning	YES		
Quick Arc Fault Circuit Interruption	Optional		
General Data	**BNT030KTL**	**BNT036KTL**	**BNT040KTL**
Dimensions (H x W x D, mm)	712 x 427 x 232		
Weight (kg)	42		43
Protection Degree	IP65		
Enclosure Material	Aluminum		
Ambient Temperature Range (°C)	-25 to 60		
Humidity Range	0-100%		
Topology	Transformerless		
Communication Interface	RS485 / WiFi / Wire Ethernet / GPRS (optional)		
Cooling Concept	Intelligent Fan Cooling		
Noise Emission (db)	<51		
Night Power Consumption (W)	<1		
Max. Operation Altitude (m)	≤4000		
Certifications and Standards	**BNT030KTL**	**BNT036KTL**	**BNT040KTL**
EMC Standard	EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN61000-3-2, EN61000-3-3, EN61000-3-11, EN61000-3-12		
Safety Standard	IEC 60068, UL1741, EN62109		
Grid-connection	IEEE1547, CSA C22, EN50549, VDE4105, VDE0126, RD1699, ABNT NBR16149 & 16150, AS4777.2, NB/T32004, G98/G99, IEC61727		