| COMPACT ENTERPRISE YD SERIES 3 IN 3 OUT - HIGHLIGHTS / BENEFITS TO THE CUSTOMER | | | |
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| SL | COMPACT YD SERIES OFFERING | general offering found in the market from competition | HOW DOES CUSTOMER BENEFIT OUT OF COMPACT OFFERING |
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| 1 | high frequency design offering smaller foot print with reliable functioning. | generally competition positions hybrid design with SCR converter or low frequency UPS with 12 pulse design to achieve higher input power factor correction | pure high frequency design with IGBT converter which ensures 0.99 input power factor correction. Smaller foot print - lesser costly real estate space occupied |
| 2 | Fully DSP CONTROLLED | Many of the market offering is still CPU controlled and not pure DSP | Pure digital signal processing ensures faster sampling and processing of various data related to voltage/current/frequency thus delivering better and more accurate control of UPS parametres . Charging section / rectifier section section and inverter section are fully digitally controlled to deliver flawless output and reliable performance |
| 3 | Wide input range of 208-478 volt ac in 3 phase | the general offering in the market is + 10-15% & - 15-20% on 380 volt input | With such wide input range offering from COMPACT - the batteries never get drained for low input voltage situation. Also this would mean that the generator may not have to start to support the UPS to work in mains mode. Huge fuel saving on generator. Huge cost saving for the customer |
| 4 | Battery group optimization - can choose from 16/18/20 numbers | fixed battery group - dc voltage | you would have always come across situations where in a series of batteries connected 1 or 2 of them would have gone bad resulting in the entire series of batteries getting replaced. With COMPACT YD series offering, if the initial configuration is done with 20 batteries, and if only 1 or 2 batteries were found to be bad after the warranty is over - we can still stretch the life of the remaining batteries to some months. results in full utilisation of the investment made |
| 5 | Wide input frequency range of 45-66 hz with output frequency settable to +/- 1% in the mains mode | usually fixed to +/- 5% only | In most of the 3-3 installations - generators are used. Despite the fact that the generator would have frequency control - due to varying RPM - the generators does generate varying frequencies. Further it is quite possible for the UTILITY power also to go beyond the 5% variation levels forcing the UPS to work in battery model. With COMPACT YD series - with such wide range - this issue does not arise at all |
| 6 | DC START CAPABILITY- UPS can switch on even when there is no input power available | usually , would require the presence of mains power to do initial booting up of the UPS | imagine a situation when the customer walks into his office and there is no mains power available and expected to come only after about an hour or so. Customer can start the UPS in the backup mode and can continue to work till batteries last and wait for the mains power to resume. productivity loss is avoided |
| 7 | Intelligent Charging Management - based on the ah capacity and the strings of batteries connected - charging current can be set | usually there is fixed charging current and not flexible | the UPS can deliver 10 amp maximum charging current and also the charging current can be set from the front panel display based on the number of strings and AH capacity of the batteries. Upgrading batteries based on increased demand is possible with Compact YD series. Absolute flexibility |
| 8 | COMMON BATTERY GROUP - possible | would require individual battery bank | In case the customer is paralleling the compact YD series of UPS for higher capacity , same battery bank can be paralleled for the second UPS also. Where there is a generator with AMF panel and the backup time is not critical - customers can save a lot of money without investing on consumables like batteries. Cost saving |
| 9 | EMERGENCY POWER OFF FUNCTION | optional | Compact YD series comes with inbuilt EPO function - there by enabling the users to turn this switch ON to do a complete shutdown of output from the UPS in an emergency |
| 10 | RAS - Reliability - Availability - Scalability | stand alone - mostly and does not offer RAS | COMPACT YD series offers complete RAS : |
| | | | Reliability because of its DSP based high frequency design |
| | | | Availability because of its paralleling feature |
| | | | Scalability because - upto 6 units can be paralleled and increased power requirements can be handled |
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| 11 | unbalanced load in the output - 100% | mostly will have set limits on the unbalanced load % preventing users to decide on the load distribution | the existing wiring can utilised for installing COMPACT YD series without much of modification. 100% unbalanced load enables users to retain their existing load distribution as it is without having to reinstall loads just to maintain load balancing: Convenience granted |
| | Various situations - and how it is beneficial for customer to opt for COMPACT YD SERIES | | |
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| 12 | customer is planning for 60 kva - but his current load is lets say 80 lap tops and 20 desktop and some servers. Keeping in future expansion - looking at 60 kva | | |
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| | with YD series - customer can be asked to go in for 30 kva right now and buy another 30 kva when the expansion happens and parallel them both | usually competition will offer a single 60 kva hoping to prove cost benefit analysis | customer initial investment is lesser: cost of 2 x 30 kva paralleled will be almost similair to 1 x 60 kva: 2 x 30 kva solution offers basic redundancy as the general practise is not to load more than 50% in 3 in 3 out UPS. |
| | | | if customer on a later date decides not to expand, he would have saved on his investment on 60 kva which would go redundant |
| | | | if partial users work on Sundays alone , it is possible to switch on only one UPS and work and save on power consumption |
| | | | If the customer decides to expand in some other office - the customer can shift his 1 x 30 kva ups to other location |
| | | | smaller foot print - compared to 1 x 60 kva ups |
| | | | since battery bank can be paralleled - 2 x 30 kva would be the ideal solution |